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## PRESIDENTIAL ADDRESS

BEFORE TIE

## ROYAL SOCIETY OF CANADA

S $341 / 3$<br>28<br>3

WITH PAPERS FROM THE TRANSACTIONS

By SANDFORD FLEMING, C. M.G., LL.D., M. Inst., C.E., F.G.S., \&c. PRESIDENT 1888-9.

VOL. 7, SECTION II. EXPEDITIONS TO THE PACIFIC.

VOL. 7, SECTION III. A PROBLEM IN POLITICAL SCIENCE.

MONTREAL
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## ADORES OF THE PRESIDENT.

In pursuance of' notice" a public meeting wan hel at 4.30 o'clock, on 'Tuesday, in the Railway Committee lion, and His lixcelleney the dovernor-fienemal was pleased to weeny the chat ir us Honorary President.

May it meas your Bixelaency- - It is my arable duty on behalf of this suecioty to offer you one united thank for uerphing to day the passion of Honorary l'remident. It is expectantly my
 present session.

 takes an interest in our proceedings as your prederesmm have don

In fulfilling the duties of my office, it would, under ordinary cirenms'mees, be my high privilege to address the Annal Meeting at some length. On this occasion I have the distinguished homer to


Fellows of the Royal Society: -At the closing meeting of last year I was impelled by a sense of duty to address you on the subject of the choice of President. Sensible of my own deficiencies in many respects in regard to those qualifications which the President of this Society should poses, I desired to relieve my fellow -members from any embarrassment which might arise from observance of tho rule followed on previous occasions. I do not feel myself called upon to repeat the opinions I then expressed and which I still hold. They are recorded in my letter of May 21st, 1888, which appears in the last volume of the Proceedings. The views I submitted were overruled, and it eonsequently became my duty to bow to your decision. I can, therefore, only renew my sincere thanks to my fellow-members who saw fit to place me in this exalted position.

In addressing the Society on the opening of the eighth session, a primary duty exacts my atentimon. We cannot refer to the original list of eighty members, nor can we examine, even in a cursory manner, our published proceedings, without observing how many ot our booty, by their labors and tho distinctions they have gained, have justified their appointment as Fellows by the founder of the association on its establishment. I feel warranted in saying that we all feel gratified by the knowledge, that not a few of our Fellows have distinguished themselves in their several walks of life, and that the services of n number have gained public recognition. Among the latter I point with unalloyed satisfaction to those who have obtained positions of importance in the Departments of State to those on whom have been conferred honorary academical degrees; to others who have received high ecclesiastical preferment; and to several who have been directly distinguished by the favor of Her Majesty the Queen. I am sure I only express the general feeling, when I say that every member regards these well merited distinctions as honours which reflect upon the whole Society.

While reference to the brighter side of the picture can only be a matter of common satisfaction, on the other hand it is my sad fluty to allude to those whose deaths hive left blanks in our midst.


 physins mul Moral Philoseghy in 'Thronto University, who has died since ome last meeting. Dr. Yomer




It in only nerensary to puint to the six volmmes of pmblished l'roceedings in onder to prove that sisee the lormation of the society its member have not heen mmindtal of their obligations, and that in the way have they failed to attain a fain measure of succoss. The volumes distributed mong the prinejal learned societies, librades and educational institutions thronghont the civiliaed word hawe



My dintinguished predeceswer in the ofle 1 have the honor to hold have referred in some detail to the whieets of the boyal society mad the position it is do etine to ocernpy in the Dominion. Thoy have reviowed lacidly and at lengh the intelleetual activity which hat chameterized the investigations of literary and scientitic men thronghout the world in recent yems, and they have dwolt ajon the reacmelnes of our own members as thoy have been submitted at our Anmal Moetings.

It would in mo way be protitable if I attempted to pats over the same ground ns they hain done; I conld mot hope to glean mulh of any real valne, nor cond 1 expect to add anything of interest to those baned expositions which have been smbmitted to yon. I trist I may count upon your indngence if I ak you kindly to grant your attention a my humble cilorts in another direction.

There is one subject in comncetion with our Society whth, I considers maty with propriety be examined. It is one of wide ramitientions, and I may fail to a large extont in the investigation which I purpose to attempt. All enduiry, however, is conducive to truth, oxpecially when honestly made. I trist, therefore, that my examination of the que-tion, howerer imporfeet, will not be out of accord with the spirit that shoula animate as. If I whould bo so fortumate as to sneced in awakening the attention of my fellow-members to the subjeet, partieularly those of the 1 Ifistorical Sections, 1 whall be greatly gratitied ; of this murli I teed eontident, that the topie I propose to bring before you, cannot be wholly barren of intorest to us as Camadians.

In opening the volumes of our Proceedings, the reader in any part of the worde must be struck with one peculinity manifest in their pages: I refer to the nso of two haguages.
'The division ot' the Society into French and Biglish Scetions cannot but arrest attention, so that the guery naturally arises, Who, ethoogegically, are the french and who the Euglish? Whence arose thane peoples thas represented? Ifow eame they to assume a pusition so distinctively traceable not only in this Society but in this country?

1 hope that I shall not be considered a trespasser in entering into this tioh of researel, and in attempting an enguiry which dues not appertain to the Section with which 1 am directly connected. I have to ask the forlearance of those to whom the historical tacts I may allude to are familiar, alltomgh perhaps not so well known to the ordinary remdor. Fqually I solicit tho considemation of members of Sections I and II, it I attach, what may seem to them, undue importance to certain records and traditions of history which have attaneted my notice; and 1 ask each of my fellow. members kindly to overlook any imperfections apparont in my argument.

We camot fail to be aware that at no remote porior in the wordd's amals the nanes of Fance and England hat no place on the map of Europe. It is not necessary to rovert to the geological period, when Europe and the British Islands were geographieally connected to form one land. There was at time long alter the firs written memorials of history when tho pooplos whom wo call Fieneh und English were anknown among the ruces of mankind. Writers agree thatat one time (inul and Britain were inhabited by tribes of a common origin. On excellent authority it is held that "in the exten-
sive re oit stro who s to sime grave limela wall is also in rencml The ln it wis their :nud th deseren Ruma

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 Roman, Saxom and Danish sway ton many long ceaturies.

The recorts and tralitions which hatco reathed ws astablish that the reelte peoples who ocenpied


 Ireland, Wales and Brittany, Tho several dialeds tasame extent may vay, hat the langatage is in
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 costoms were invasions by the liomats. The lomans were followe by Temonie tribes fiom ihat
 incomsions into the cultivated hats of the lamanized ('elts to hecomo their maters. In course of'


 With the viow of obtaning additional lands and oxtending their jower, they seizeri on the tervitury bomering on the Meliteranean, aml masformed it into alioman Province. It was bot motil a



 from its allogismer, and abont tho wame time the Armorionn lrovinces in fial revolled from, te lioman yoke.

Until this date luth conntrier hall here held in the inon ortap of their civilized and disciplined conquerors. For live conturies in finul, and for four centmies in brian the eontimed pesence of the legions of the Fimpire cxerlel an all-powerful inthence on the conguored Colts, in many respeets in modify their habits and customs, and hy the haw of heredity their physique and chataeter. 'Thronghont the greater jurt of (ianl, the Celice idiom was ermshen ant. The samo result wats not attained in britain; it was left for comque ors of a dimerent bate, in the following centaries, to alter the primitive
 and likewise tho mariage of the soldies with the atti women when their term of service wats ended, most hase silently worked typiral change in the people. Theso changes were less noticable in Britain than in Gaul, but the inflnence of the Romans in both ro:mtries mast have left them more or
lesw latinized. As the Roman power passed away, Gatul and Britain were exposed to new disturbing firecs. In oads were made in both countries by barlarous or nemi-barbarous Teutonic tribes known by the various names of Frank, Frisian, Lombard, Sueve, Burgundim, Fleming, Jute, Saxon and Angle. Their character, religion :nd form ot worship dittered little; although on oceasions thoy acted in concert, for the most part thoy engagel in independent experitions. After ummubered wars ant struggles for the mastery, extending over years of suthering to the people they attacked, these foreign invaders obtained possession of the soil. In Britain the Celt in some districts was disphaced and apparenty exterminated by the intruding tribes; but a conquered sace does not wholly become extinet. Its wariors may be killed in hatte, every man may be dispersed or enslaved or destroyed, but the subject women and children are largely spared, to enter in comse of time into new relations with the conquerors. Thus, a Celtic element must have remaned, even if its anme and hagrage in certan districte disappeared.

The invasions of some of the tribes eventually mesmed the character of emigrations and colonigations, notably those of the Saxonsand the Angles; the hatter gave their mame to Sumern Britain and the language which they ased, in common with other 'Tentonie tribes, prevailed in the invadel territory. The Pranks, on the oher hand, gave their name to part of tian to be extemed eventually from the Anatic to the Meditermactu; but yielding to the iresistible influme of overwhelming numbers, who grenerally poseesel the (hristan religion and a higher vivilization than their eonguerors, the Franks gradually asmmed the haguage of the latinized tianl.

In thas bringing luffere one view the mational cames, whence in the saceoding centaries, Fiance and Eingland have sprung, we fail to pereeve an independent ethotogical origin on the one part or the other. 'The perple of both conntries, originally of a commonstock, have been monlded in an importunt manuer hy :dditional elements of great foree. They were buler Boman intluence until the fifth centary; Tantonir races herame dominant until the ninth century, at which period bands of Scandinarian adventarers from the Baltie legan to make deneente on the eoasts areessible them. The seat-kings and riking- of the North, who regarem piracy and phomer as the most honorable of all "areers, commencol a series of exphits which were contimel for many generations. In France these alventures received the name of Normans. In linglish history they are deseribed as Danes. Alike in lingland and in Finme these scamlinatian tribes firmly established themselves in the most attractive parts of the territory invaded. As the victorions Framse at an earlior date, so in Fime the new eonquerors, grablatly adoptel the language and manners of the people they had werpowered.

In explanation of the comparative rapidity with which the eompucrors bectme assimilated and abomberl in the genema popuation, we have to remember that the invaders consisted only of men, and that the work of compest being completed they entered into the ordinary pursuits of life; in extablishing themselves in the territory they formed tios and relationships with the native women. They hat power in their hands thentore complance, and arcording to the chstoms of those days, phenension fullowe choiee, when some rite of marbige in aceordance with the maners of the northern tribes was performed. That willingness or unwillingress on the part of the native womanhond was uot in the character of the times, we find an illustration in the conqueror Rollo, At the siege of Bayean in 8:00, he capterel and carried away a Prench damsel whom ho married aceording to the Ihaish usage. The union proved a happy one. The wife of the Dane Rollo beame the mother of Willian Longrworl, who in his turn followed the example which his father had sot him. "ichard the Fiamless, was the son of William, and as desecnt is not exelusively through the sire, in two genemfions the ottspring of the scandinavian bectme thee-quarters Erench in blood. That this characteristic feature prevaled is obvions from results which show conelusively the new relationships which sprung up in a comparatively few years. Whatevor conse was followed, the fact is recorded by hisLorians that in the time of Richarl, grandsen of Rollo, Normmaly had become as thoroughly French as any part of France. 'to acconnt for the fact that the Danish langunge should soon be lost, we hava

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new disturbing : tribes known 1te, Saxoln and ons thoy acted eoced wars mil 1, these foreigh ced and appar. come extinct. royed, but the tions with the uge in certain
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only to consider that as chideren are brought up, by their mothers, and for the tirst years of their life are continallly with them, it is not surpmising that they should come to speak only their mother tengue. It the descembants of the Northen in Normandy lecame so typically changed in two generations, it is obvious that the same intermingling of gencalogy, continned through suceeding generations, would result in the firench dement in all requects becoming more and more predominant, until the line of separation between the intruding race and the people of the tervitory would pratieally cease to exist.

The Norman invasion of France commenced in the ninth century; Richard the Fearloss reigned in the tenth century; by the middle of the eleventh century the descendants of the Scandinavian adventurers had become Frenchmen. They had adopted the Christian faith, and lived aceording to the customs and habits of their maternal ancestors; with suareely an exception, no language was spoken thronghout Normandy but Romance or French.

If, in the middle of the eleventh century, in attempt hatd boen male to detine the ethoobgical ditference between the French and linglish peoples the generna answer must have been tbat in proint of origin there was no difference. Varieties there were in the component parts of each; even at the present day we meet such sameties equally in Finance and the British lilands. South ot the Chamel we find the Celts, the Frams, the Latins and the Girmans compounded in an intinite number of ditierent proportions; in the British Islands we have differences between the Itighlanders fund Lowlanders, hetween the lrishmen and Englishmen, hetween the Welshmen and Yorkshiremen, between the men of Cornwall and the men of Kent; but taking the people of France as a whole and the people of the Unitad Kingrlom ats at whole, at the period ot which we sueak, it would not he possible to say that in point of ancestry there wero any striking distinctions hetwoen them. There moloultedly was less ethnological ditlerence between the two enmmunities separated by the Chamel, takiog them as unities, than between many of the minot divisions in either eountry. In the midtle of the eleventh century no one of the two peoptes could be named as a pure race; hoth were of mixed hood; they were compounded substantially of the same original elements. There were minor differences in the admixture, in the combination amd fution of the eloments; poswibly there were modifications arising from dimate and geographical position; but the two peoples hat originated in the sume primitive race; they had been subjected to like intluences and exposed to the same vieissituder, ditiering only in degree.

In the Celtic race, which formed the lasis in lwoth eases, hat been infused Roman, Tentonic and Sandinavian stocks. The intruding ruces, on their thrivat in tho new combtros, wo ean wefl imagine, were in the flower of manood, bohd and determined in spirit, the most daring of the tribes whenee they eprang. We are warmated in the belief that among then there were thone who wond take preeminent position in the adventurons type of man, From suth as these a heathy vigrorous progeny would proceed. The Romans would introduce their civilization, their culture and their powers of organization, to elevate and retine the communities which they subdued. It was the pride of the Roman eonquerors to treat their subjere Slates with consideration so bong as the central power on the banks of the Tiber wats duly recognized. The Northern tribes which subsequently overran the more coltivated provinces of Gat and Britain, were muletered, savacge babarians, worshippers of Thor and Woden, who loroked on the slaughter of an enemy us a rightems sacrifice to their gods. Under their savage exterior and ruthless naturos there were, however, the germs of generous impulses and noble endowments. They had vigor, valor and resoluion, and many of the ruder virtues; they required only contact and intercomse with a more cultivated race to be developed into a higher and more estimable condition. la counse of years the best qualities of the conguering races becoming gradually absorbed in the populations of (iaul and 13 -itain, could not fail to exereise powerful influences on the character of both nations. To these euly influences we may attribute many of the prominent charncteristies of the Freach and English as they are seen at the present day.

At the proriod referred to, the langnage of the two peoples had diverged into different directions.

In France the dialect which came into we wat the legary of one set of empuerors ; in Bugland other influenees led to different results, and the idiom of another set of comporors prevailed. This difference in language has been continued to the present day; and if other evidence wore wating, it might ha, argued that the Firench tud binglish peoples hat sprug from entirely different primitive stocks.

Langhage, however, is lut an indifterent test of rave. There wre ample proofs throughout the word thut people nearly related maty speak widely diflerent dialeets; while other communities, between whon there is an athaty of atace, may comverse in the same idiom. Amongst ourselve, instances are not unknown where an intruding stock, in the midst of at peoplo greatly excoeding it in number, has in wo or the generations yided to the influence surrounding it, and lost the languge of their ancestry.

Thus it is established by the records of history, that in the elerenth century the peoples of France ad the Britioh hatands hat an ancestal kinship which was close and real. Before that emtary came to an end turther relationships were created to make the conmection still more intimatc. The great territorial conquest of William dates from 1066, and it hat proved the most important epoch in Euglish history, It is deseribed by linglish historians as the Noman invasion. It appeas: to me that with greater ferpriety and accuracy it might be called tho french invasion; mot becanse William limself was the son of a dangher of the soil; not because he was by bood at least five-sixthes French, and bedecation and habit wholly Frenth; not because every one of his aucestors, male and femake, for a century and bhree quarters was, with one exception, native born; not becauso Normanly, so fir back as the the of Richard the Featens, greategrandfather of William, had even then
 chamet with him, were gathered together from a great part of the whole realm of what is known at molern France.

 for the contfict, not simply from Nomamly hat trom Armorica, now called Brittany, on the west; from Fianders on the east, and from Mane, Anjon, L'oitom, and the whole comntry to Aquitaine on the month. To nll, such promises were male as shouht incite them to the enterprise, and thas he gathered the men of all chasse from all district- to form his army.

William was dathful to his worl ; the subjugation of England was complete and the porrest oblier hat his reward. The dominion pasmal into the hamds of the invalers; and they were followed


In the gears which followed the insamion the origital hadowners were stiped of their ostates. Universal spoliation was the means umployed to sewal the ofticers and men who had entisted moder Willimis mandard. The harobs and hights who followed his bamer had the extensive domains of the dispmesesed binglish allotted to them, while thase of lower ratk received hambler recompense. Some took their pay in money; ohers who had stipulated fin Saxom wives receivel the broty they had barganel ins: Aerotling to the Noman ehronicle, William camad then to take in marriago moble
 baroin of the one country became hamos in the other; thas it was that men of no condition in France, whom tove of :ulventure had inducel to join William and shatre his fortures, became men of rank and =tation; thus it was that in some cases names hitherto obsere becamo noble and illustrions: in the comentry they lielpel to sublue.

The spoliation was not contined to landed property, fin everything worth owning passed into the hatads of Fromemen. The hierarchy som emsed to be Eughish. French judges administered the law. Livery inpertaut ollice in the State was tilled ly Frenchmen, who thas obtaned all the wealdb, power :arl inthence in the kit:grlom. Willian hamself wats essentially french, he spoke his mother tengue; he did not and conld not speak English; "he had not even a reminiscence of the language of his nothern ancestors, the Jimes, then nemly allied (o English." French beeame the languge of

Binglanel other This differenee ir, it might 1, re stocks.
liroughont the mmunities, lee agst ourselves, exceoding it in th the language
the peoples on efore that cenmore intimate. ost important n, It appeat: n ; not becinse least tive-sixthes stors, male alld t because Nor hat oren then ho erosied tho nat is known is
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ad the poorest were followerl o spoils. their entater. entisted umber ive domatias of \%recompense. the broty they manriago nobl. has it was that - comlition in evame men of and illustrious
passed into the ministered the all the wealth, ske his mother ho limgrage ot he langunge of
"the court ami tribmal, tho laronial eastle and the merehant's counting honse." French became the official hagruge of England and so remained antil a date netrly the centuries after the arrival of the conquerors. Tho seven kings who suecoedod Willian on the English throne wore lirunch; tho greater momber of them were born and brought up in Fiance. The ettoet of every politieal ehagug during these reigns was to bring to lingland a fresh number of Frenchmen, and any lands filling to the King's disposial wero ulmost invariably granted to his foreign fingorites.

In the years following the arrival of William it may well be immgined that the fiercest antagonism existed between the conquerors and the conquered-antagonism so intense that no one then living coald predict the ontrome. In this age we are privileged to take a calm panoramic viow of the state of nthits then existing and the results which have followed. It would indeed be difticult to tind in universal history a subjugation so complete, a hostility so intense, becoming the ultimato moans of so matela mational prosperity

In a remarkable lectaro delivered hast year ly Sir William Groves at the Royal Institution, Inondon, he submitted the proposition that antaronism is tot the banotial thing which many eonsider it; that it is often the precurson of goorl: " that it is a necessity of existence ant of the organism of the miverse as far as we muderstand it that motion and life camnot gro on without it; that it is mot at mere canalal aljunct of nature, but that without it there wald be no mature, at all events as we conceive it; and that it inevitably associated with matter and sentiont beings." The lecturer showed that, thongh itself an evil, antaronism is a necessary evil. I shall not venture to allude to the ovelencers of antagronism farminhed by him in the physical word, in vegetable lite, in the exterabl life of andmals and in haman society. He perinterf ent that" in what is cuphemintically called a life of peate, buyer and seller, master and servant, landord and tenant, debtor athel ereditor, aro all in at state of simmering antagonism;" that in tranguil commere and in the sebonds we have the antagronism of eompetitinn that in nearly all ond grmen and ammsements we have antagomism; that in daily life wo have class antagonism, roligions antagonism, pritical antagonism and individual antagonism, and - that there is more or less andagonism in evory condition of society. Sir William Groves dial not attempe to explain the cause of this miversal antaronism. Ite only grave evidence of the fact that it is not limited to time or space, and stated his lelief that some day it will be considered as much a law as the law of gravitation.

If antagonism come to be comsidered a law, it will be nerosiay, ithink, to recognize another principle with tenlencies the very opmosite. The two principles may be likened to the resultant of two fores ; in one case the forces act in eontray directions; in the other ease the fores oprate in the same direction, As ation is followed by reaction, an also it is possiblo that as the two forces revolve with time, antaronism may be Colluwed by the opposite pinciple. When this takes place it is evident that, the stronger the fores in antagonism, the greater will he the besultant when these fores como to ate ats tooperative forces.
 Was not surden, it took two or thee centuries completely to eftect the chango. For anmber of generations atter the Fronch invasion, the line betweon the tescendants of the comprerors ant the eompuered, was shaply diawn. There was the contrast of mamers and ot thourht; there was the primury ditferone of langagre; Prench, heing the oken of power and wealth and influence, established a dofined line of separation between the two peoples. By degrees the feeling of hatred and dislike toned down, untagonism and antipathy yiolded to wther inthences. In 1362 , in the reign of Eilward III, a statute was pased ordaining that therentier all pleas in the courts should be pleaded in the Einglish langunge. The fint billo.the Honso of Commons writen in the English language bears date 1485 , but long before this the I'nglish language began to gain ground. The Freneh and Einglish had commenced to intermingle and intermary, friendships and noar relationships were developed, unl, as a consequonce, by the tourtconth contury a new race had sprung up partaking by descent the qumlities of its French and Finglish aneestors.

The admixture of race has often provel advantageons in ereating the tendency to develop the growth of new qualities. It hats heen known to bring out a type of character superior to either parent race, to produce a composite race to dominate over both the parent stems. This result may not be attained in all cases, but it camnot be denied that the blending together of the Fronch and English stocks strengthened the intellect of the new nationality, greatly inereasod its power, and gave an impulse to its prosperity and glory. As the name of "linglishman" takes in all natives of the comntry, of whatever deseent, the descendants of the French invaders became Englishmen, indeed the truest of Englishmen. Paradoxical as it may appear, it is mainly owing to French influences incident to the Conquest that the English nation has been moulded to the national character it possesses. It is owing to the introduction of the French clement that Englishmen have become what we now find them. The invaders took firm root in England; they engrafted upon the nation the best qualitios of their own natures. Many of the men whe from various parts of Fratee accompanied William, became the fomnders of great English families. For eight centuries their descendants have held a dominant place in the national councils; they have assumed high command on lant and sea, and thoy have boen prominent in the roll of statesmen who bave controlled the destinies of the kingdom.

William himselt left a lasting impress on the monarchy; the dynasty which he established has continued through to one own time, although not in the direct lineage from father to son. Since the death of William in 1087, the bluod of the French conqueror has flowed in the veins of every monureh of England. In the words of Palgrawe, "Magnificent was William's lestiny-can we avoid accepting him as the founder of the predominent Empire now existing in the civilized worll? Nay, the stripes and stars of the Trans-Atlantic Republic would never have been hoistol, ner the Ganges flow as a British stream, but for the Norman-ganntleted hand."

The French conquest is without a parallel in history. It is the most momentous ovent which our annals recorl. It humbled the nation to the last degree, und with other great changes it effected a vast territorial aml social revolution. While all this was being accomplished with much pain and sutfering for the time being, it must now be recognizel that the landing of the lrench and the settlement of the kingdom by the French, and the ultimate fusion of the conquerors with the conquered, was conducive of the greatest possible goon. The French element thas thrown into England under the cincumstances in which it was introduced might be expected to produce great and lasting effects. The ethnological result has been to commingle the blood of the two communities, already possessing the aftinity of uncestry, and to produce a new national type. By whatever name it may be known, it is a French-linglish type. The political effect has heen to weld together the component parts forming the British nation in so compact a character as to withstand every shock to which it has wince been exposed. If after the lapee of eight hmolred years we dispussionately view the effects of the historical event, it is impossible to escape the conviction that the direct induenees springing from the Conquest have been of lasting alvantage to the world.

The general result of the enquiry into which I huve been led may he brietly summarizel. We may tracu back the relations of the two peoples as they are represented in this Suciety to a period long anterior to the date when they were first known as French and English. We learn that they eprang originally from a great primitive race which, betore the Christian era, spread over western Earope and thourished ander a hatf-developed civilization. In both cases the orignal stock had been moditied by foreign influences similar in character, until the cleventh century, whon a powerfal Fronch olement became intermixed with the Euglish people and penetrated the highest and lowest grades of soeiety. At that period the portion of Europe which is named France contributed the ruling elass and the men to form the British aristocracy, To this day the prominent fimilies of lingland, with fuw exceptions, tace to France the foundations of their names. From French sources have come those who bave helpel so much to make fireat Britain strong and indissoluble.

Thus it was that the descendants of ancient Gaul, molified by the Romans, the Franks and the Danes, have been absorbed and assimilated in the great mass of the linglish people. The blood of the
o develop the either parent It may not he and English and gave an $f$ tho country', the truest of cident to the 3. It is owing w find thom. litios of their , becamo the minant place boen promi-

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 1. Since the ery monareh sid aceepting $y$, the stripes ges flow as aat which out it effected : n and sufficro settlemont red, was conI undor the ting offects. possessing y be known, onent parts which it has ho effects of s springing Mized. Wo period long hoy eprang Luropo and moditiod by ch olement of society. ss and the , with fow come those

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 lood of theFrench intermingled with tho blood of the English has sinee been earried in the veins of colonists to Ameriea, to Austrnlin, and to overy British colony, and by British sailors to every port in the two hemispheres; and thas, through the intormixture of the rmees an Empire has been ratised up to girdle the grloLe.

Theso impertect remarks will, 1 trust, be found to furnish an answer to the query, Who nre the French, and who are the English? The records of history establisa that they are not alien in blood, that they have often mot in contlict, and that they have frequently coijerated in amity. The character of the relationship which sprung up eiglit conturies back connected England and France by domestic ties, and tho same lineages sproad over both lands. The historion of the two nations have been more or less interwoven ever since the French and English people had an oxistonce, and for part of the time the two peoples have had one and the same history.

My remarks go to show that those whom I have the honor to address, with the people in the Dominion whom they represent, are equally the descendants of the races who laid the foundation of Western liurope. Every individual man is more or loss monded ly forces which date from a remote past. The subtle influences of ancestry and the conditions due to hereditary transmission atlect us all. If the individual le the resultant of remote and ocentt fireos, so alno to a great extont is the family and the nation.

The population of Chanda presents the spectache of two peoples possessing early kinships and aflinity of ameostry, subsequently separated for centuries, agrain forming a remmion in political aud social life. A century and a quarter ago, a French population numbering some do,000 sonls, ame under the british thag. It is a somewhat siognlar comedence that seven conturies earlier the samo number of Frenchmen erossed tho thannel, eventually to become binglishmen, and to give to the British mation the strength and intuene and distinctive ehatacteristice wo now timd it possessing.

It is said that history tepeats itself; ane we warmoted in assuming that it will do so in this instance? If the fusion of the French and linglish atter William's concuest was productive of the results I have specitide ; if the ditherence of language tive to eight centuries back faled to impede the vastly important conseqences now traceable; if tho absence of complete homogeneity was in no way a hindrance, bat on the eontrary, proved a solid and substantial advantage by the diversity of talent and strength which it brought; if like causes produce like effeets-are we not warmated in looking forward to our liuture with confidenee? It is surely a happy augury that we have become a fully-organized political community, inheriting in common all that is to bo cherished in French and English bistory. To my mind thero is the best ground for hopo that in eoming years the successive grenerations of Canalims will be distinguished by the best qualities they inherit from their componm ancestry, developed under the froe institutions which it will ho our happiness to bogneath to them.

It is indeed true that in the past France and Fingland have frequently been in contict, but those conflicts have lreen much less frequent and not more tieree than the domestie struggles in either eonntry. Happily a state of open warfare is no longer the normal condition of society, and all mast neknowleage that hostility of race is entirely out of place in this age in this Dominion. We have now reached a stage in onf country's progress when antagonism in its strongest and worst aspect has phssed a ras. "hatever their origin or ereed or color, all who live within the limits of the hroad domain of Canada cannot fail to be convinced that they have interests in common. As the inhabitants of England discovered in the "eign of" King John in tho thirteenth century, so the population of the Dominion must perceive, that no interests of real and hasting importance can exist which are not common to all. This feoling full, devoloped, the complete identitication of general sentiment will be the pledge of' lasting friendship, the Magnn Charta of a united community. It will olevate otar aims and promote aspirations worthy of our common ancestry and our common inheritanco-an inheritance which throws upon ths weighty responsibilities and the duty of employing our best eflorts in working out our destiny. If we do well our part, it will bo lor the historian of the future to ehronicte
the rosults, which we anticipate will follow the remion and comixture of the French and Englinh ot the soil of Camuda.

Perhaps I have dwelt at too great length on this topic, and I should not venture further to tres. pass on your kind indulgence. In closing the remarks which I have the honor to make on this occavion, I shall only ask your pormission to add a very fow words on other matters. Looking at the four Sections into which the Society is divided and the detinite objects for which they meorganised, it is obvions that the seope of onr researches an an mssociation is broad and deep. The remarks I have submitted come within the cognizance of the Historical Seetions. There is another Section which embraces subjects relating to past time. While history takes us back to the earliest dates of existing records, the Section which includes the science of geology carries us to periods in the world': annals a thousandfold more remote, and into fields of researel immeasurably wider than the chronicles of the haman race. Unlike the historian and archaologist, the student of geology can look to no aid from human records, his researches go beyond ull classical literature; he can find no guide in inscriptions, however ancient, which the hand of man has made.

Geology, to some extent, may be described as n new science, it was within the second decade of the eentury that it became a recognized study, yet with the aid of subsidiary sciences it has already given to as part of the story of the earth. The litnary of the geologist is found in the recesses of the rockn. Ile deciphers the writings which have therein been inseribed and which for unknown poriods have been secured from the process of deeay. Necessarily his researches must be patient and laborions, and it is only by the slow decumulation of facts that he is rewarded by bringing to light remains of manifold organisms which in successive epochs have anmated the globe countless centuries before man was called into being. The gendogist in his investigations approaches nearer to what wo call the begiming; he has revealed to him traces of the natural forees which havo operated in moulding the arth to its present form. He is privileged to follow the mutntions in the structure of the worlh. which, if the element of time be not taken into account, are wholly inexplicable, and which can ouly te accounted for by a slow and gradual development, by the continuity of forces excerted over periods, comparel with which the duration of haman life on the gole as recorded in history ean give but the taintest conception.

Howerer much this science has adsamed, and however greaty om knowledge has inereased during the last sixty years, we are made to feel that we are only on the theshod of greater revelations. In the wide territory of the Dominion we have a bommelles tield for pursing geological research. The Gaman Gedhgical Survey has done excellent work in many directions, not simply in forming a vast acemulation of scicntitic facts, but in performing the great serviee of establishing the immense value of some of our hidden mineral treasures.

In the remaining Sections of the Society the subjects for consideration are not specially related to the past ; the ephere of their investigations have to some extent a bearing in the opposite direction. I wefer to the Section devoted to mathematies and physical and chemieal seicnees. The aims and hopes of this division of the Sorety rather lie in the future; mot that we should forget our obligations to these who have toiled in past years and to whose reseaches in science wo mainly owe moch which is a striking teature in the daily life of modern eivilization.

These sciences canot be spoken of as modern. We have but to mention tho names of Pythagoras, Aristotle, Archimedes, Pt,lemy and others, to testify to the ottorts of two thousand years back. The seventeonth and cightemth centuries were made illustrions by men whoso names will always be honorably asociated with science. Without depreciating, however, the labors of the precursors of what we all recognize as modern times, it may be said that it is the ninoteenth century which has witnessed the greatest thimphs in seicnee. Inded it is within little more than the hast halferentury that there has taken place a remarkable revolution in human affairs through the growth and influenco of the physical seicnes and the applieation of seience to the daily life and the multifurions operations of man.
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further to tres. make on this Looking at the are organised, The remarks nother Section diest dates of in the wordds: an the chroniy can look to d no guide in

I decade of the already given s of the rocks. poriods have and laborions, lit remains of itaries before at we call the mondding the of the worll, lich can ouly over poriods, give but the
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cially related ite direction. he aims and ar obigations mueh which

Pylhagoras, back. The iys be honors of what we as witnessed entury that influence of y oporations

No one for a moment cun suppese that seionce has exhansted evory tied of enpuiry. Jutging from tho intellectual activity which overywhere prevails, the thonght forces itself upon the that much will be discovered to antonish mud bewilder the human family even in tho comparativo!y short period of another fifty years. Who can foretell what ont children may witness and experionco in the midde of the twentieth confury? Some of us may yot live to see the extent of the inthenes exerted by seionce in directions not hitherto dreamed of, and in fiolds which to many minds appear to set scientific investigation at defiance. Even in the complex domain of polities the wiso and practical statesman may bonefit his country by the application of scientific principles and mothods to the solution of difficult problems.

Six years ago one of tho most ominent of our colleagnes, the lato Dr. Todd, aldressed the membors at length on the rolations of this Society to the State. Ho dwolt upon tho benotit, which may bo anticipated from the extablishment in the Dominion of a benly constituted as we are. By way of illustration he referred to the public servicos rendered during the last two hundred years liy the Royal Society of lingland; servicos repeatodly acknowledged by the Imperial Govormment and confirmed by parliamentary votes of money. For many years annmal sums havo been granted to deflay the eost of scientific inventigations recommonded by that Soeiety as worthy of assistance.

The Ifome Government has found that it is of undoubted public advantage to have recourso to the nid and advice of the Royal Society of (Grat Britain. Our own Government, too, has given ovidence of a wise liberality, which we cordially acknowhetge. I am contident that I express the feeling of every member of our body, when I say that it will be the constant aim of the Royal Soeiety of Canada to continue to command the rospect and contidence of the people and Parliament of tho Dominion.

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#### Abstract

IV.-Erpentitions to the Pwific. With a iniof reference to the Toynages of Discocery in seus eontignous to Cumelle, in conne:lion with a Western Pessegye from Europe to Asia. By sinmpom Flemine.


> ( Read May s, 1ss9.)

Inthonuctors.
The retablishment of raihway commmication from the Atlantic to the Pacifie across the toritory of C'mada, suggests an cmoruiry into the several maritime and overland expeditions, undertak'n from time to time, between the two ocems. It is aceordingly proposed briotly to review (1) the marime expertitions madertaken with the desire of obtaining a western passage from Limope to Asia, in seas conterminons to the Dominion, and (2) the several orerland expeditions from the eastern parts of Canadat to the shores of the larific, from the carliest datw.

Six centuries have elapsed, since the most illustrious traveller of the Middle Ages found his way from Entope arross the whole extent of Asia, to the limits of the then known habitable world. After :un absener of twenty years, Marco Polo returned to his home on the shores of the Adriatic, to bewilder the Venetians with wondrous aceonnts of the magnificenee of Cathay, the splendours of Zipangu, and the vastmess of the Orient. He was the first European who looked upon the hitherto moknown ladite Oevan, which he had reached after tedions jonrneys throngh many strange lands, and after traversing the spacions empire of Kublai the Great Kam.

Polo and his companions ware the pioneers of commercial intercourse between Europe and Cathay. Other Europen travelters followed the Venetian noble, who with him bore testimony to the extent, power and wealth of the marrellons old civilizations of Asia; and as a consequence, the enterprise and commere of the Middle Ages became directed towards the Eist.

The populons and wealthy kingdoms of Asia could only be approached lyy long and perilous overland journeys, through countrics inhabited by warlike races, given to hostility and phunder. The route lay by Turcomania, Armenia, lersia, Upper India, Cashmere and across the mountains and deserts of Tibet. Notwithstanding the immense distance to be passed over by caravans, and the dangers and diftiontties of the journey, European traders florked to the remote East. No far as it was possible under the conditions which existed in the fourtenth and fiftenth centuries, commerce flourished over an extended overland route stretching from Genoa, Florence and Venice, to the great marts of eastern Asia.

It was the possibility of fa :ilitating and increasing the interchange of trade between Europe and Asia which power'ully attracted the imagination of men like Columbus and Cabot. It is not therefore surprising, that an ardent desire was awakened for the discovery of a new and safer route to the last, than the one then followed.

## I.-MIIATINE: LXIDEIDTIONA.

## (1) Viarly Voynges of Discovery in the North Alluntic.

('olmabns had formed the belief that the earth had less dimension than it really porsesses, and that the continent of Asia extended farther to the astward. This opinion was the ground of his being confident of reaching Cathay by a western voyage. So firmly was this belief held, that when Cohmbus set sail in $14!2$, , he was the bearer ol a letter from the Spanish court to the Great Kan of the mighty oriental ampire.

More than one Entopean mation was stimmated to activity by the prospects of profitable trade with Asit As Cathay was the aim of Columbas, solikewise it beeame the goal of Cabot, who induced Lfenry Vhe of Eugland to whter the lield of maritime enterprise. The expedition litted ont under the command ol Cabot obtained for him the flame of preteding Colmons in the dirst athal discorory of the new rontinent. John ('ibot sighted the eobst of Labrador June 24th, $14!7$, thirteen months before Columbus beheld any part of the mainland. It was not until Angust 1st, 1498 , on his third royage, that Columbus for the first time looked upon the shores he had long sought.'

Cohanbas disorered the Bahamats in $14!2$, and the other Went Indian Istands in subsequeni year, believing them to be outlying islands of Asia. The Arehipelago received the name it still bears under the belief that it was within the limits of the Indian Ocean. The grat captain dil not live to know that another continent, and another ocean, the broadest expanse of water on the surfice of the globe, inturvened between the West Indies and the shores visited by Mare lolo two renturies earlier. To the day of his dath, Columbis was firm in the comviction that the islands and lands, he had discovered, were in proximity to the domain of the Great Kan.

The two Cabots, John ant Shastian, equally with Colmmbis, were imbned with the iden, that the shores of Asit were washed by the waters of the Athantic and they each displayed ereat artivity in pursuing the object of their seareh. They were each distinguished hy lolty enthnsiasm, extraodinary conrage, and indomitable perseverance, in the work of diseovery which they had undertaken.

While it camot be doubted that Columims was the Jirst who ronceived the idea of a western ronte to the East, it is certain that he was not the first who discovered the new rontinent. Christopher Colmmbus, the Genoese, kind led the flame of westem maritime adventure, and the result of his dirst voyage filled Europe with wonder and admiration; it was, however, John Cahot the Vunetian and Sebastian, his English-born son, who discovered Anerica. The retord shows that the great Colnmbus never beheld any portion of the North American continent, and that he did not come within sight of South America, until the year in which Sebastian Cabot had made a voyage of discovery along the whole coast between Virginia and the ent rance to Indson Strait. In that year, 1498, Sebastian Cabot, with a Iteet of five ships under the English flag, bent upon the effort to find an

[^0]open seaway to Asia, followed the land as high as latitude on $^{\circ}$ :00, and as fir somb as fatitude :ss ; thes he diseopered during this rogage $\mathbf{1 , 8 0 0}$ miles of the North American coast.
(2) Attemuls: in the Sixternth Ceutury to fime " Passurge from Liurope 11 Asia.

In t500, Fortugal, then the greatest maritime mation, sent out Gaspar Cortereal with two ships. The expedition left Lishon with the view of following tup the diseoveries of Cabot; it rea had Labator, roasted its shores some six humbed miles, and returned. In 1501 sailed procerded on a swond royage of diswory ; attur entering astrait, prombly Hulsou strait, the ships were separated by atmoneen and that of the commader was lost with all on board.

In 1508, Thomas Aubert beft Dieppe for the American coast to make similar explorations, and it is reorded that he entered the (inde of st. Latwrence and aweended the river some "ighty leagues.

In 1517, a small squadron was sent ont from Eugland by Ifenry VIII, in command of Sir Thomas Port and Sebnsiam Cahot; the object was to contimue the former discoveries made by Cabot in the north-west. Thu ships appear to have entered Ifudson Strait, but owing in part to the muliny of the crew, the axpedition prowed a failure.

In $182+$, Francis I of Framer entered the fied of diseovery ; he sent ont four ships under the command of Ciovami Verrazaino who coasted from latitude $34^{\circ}$ to $50^{\circ}$, cmbracing nearly the whole Atlantic coast of the United States and part of Canada. spain likewise in this year made an attempl, io tind a shorter passage by the north-west, (1) the islands of the Endian Oecm. An expertion was sent out moder commander Gome\%. Ho failed in making any important discorerios and returned tospain atter an absence of ten months.

In 1527, llenry VIII sent ont another expedition consisting of two ships, under command of John Rat. In his afforis to promed westward off the Labradur const, his ships were hesel with ice and one of them lomudered in a storm.

In 1534, France again entered the hield. An expedition ol two ships was litted out at St. Malo, and Jacques Cartier was placed in charge. He entered the Strait of liplle Isle, reached a large gull which he named the sit. Lawrence, explored it, coasts, discovered l'riner lidward Island, Mirinachi Bay, Bay Chalenss and Antiosti. The following year, Carticr's commission was renewed by the lirench king, and he sot out from rrance with three ship, again with the riew of finding an oprn passage to Asia. He ascended the St. Lawrence as far as the Ludiam settloment of Hochelaga, now Montreal. After spending the winter at Stadacona, now Quebee, he returned in the spring of 1536 to St. Malo. Jacques Cartier inade a third voyage live years later with five ships. He wintered above Queber, and returued finally to France in the spring of 1542 . Robrrval, haring been commissioned by the Freuch monareh to command the enterprise, met Cartier on his homeward royage on the coast of Newfoundland. Roberval did no more than confirm the discoreries of Cartier and then followed him to lirance.

In 1536, another expedition cousisting of two ships left England. It was promoted by many gentlemen of London, the chief of whom was, named Hore, who was skilled in
cosmography. Great privation was expriched, ind but for the timely apparenw and ansistanter of a Fremeh ressel the whole crew would hate perished miserably.

In lisis, an "xpedition of which the then aged simpatian Cabot was the chinf pros moter, sailed muder Sir Hugh Wilhonhby and Richard Chancolhor, to ond in disaster.

 morhereaterly dirention mader the emmand of shephem limroughs. In midsummer, the thip was beset on all sides bey mase of iem, and was in danmer of being amihilated, sur that all eflorts to prownd were mavailius.

Fisso da Gama doubled the Capre of Good Hopre, in the year 1tise, and established the !eosibility of reaching Asial ley sea ; hut the navigators of Emopean nations remained in their belidf of "t western passage to what was then designated the "Bast." Having this diseorery in wiow, examinations wre made on behalf of Portugal, Spain, Frate, Holland and England, in wery paralled of latitude betwem Darien and the extreme north.

Cathay contimal to be the whine of many adrenturons royares. The diseoreries of Columbns and his spanish followers, the expeditions of Cahow, Cartice and others, having established the existence of a harge wontinent exteming north, on the eastern coast, as high as latitude $6 \mathbf{T}^{\circ} \quad 30$, it was phain that the mulh desired navigable ronte to Asia most he songht northward of this limit. It is at his stage in the history of maritime discovery that there began a serios of 'xpeditions, having exmerally in view the discovery of : "North-west labsage," which wern "ontinted with hut short intermission over a peri of more thath then centarins. (ireat enthasian long contimed to be felt for the esta lishment of trad direetly with the marts of Lutiat and China; and vogages were

lufluenced by mational comsidurations, Martin Frohisher one of England's heroes, who afterwards took part in the deleat of the Invincible Armada, "mbarked in a series of expeditions. Tn 150 Fi , he set sail with thre ship, atad in 1577 and 1578 , other expeditions followed under the same commander. In hirs, he miled with liftern vessels. Frobishar was followed be John Daris, who made there sumessive royages in the same direction in the years 1585, hast and 1587 . Wavie stat reseived the name of this commander.
(4) Altempts to fime a Norlh-mest Passage in the Serenteenth Century.

In 1602, the enterprise was renewed by sone patriotie merchants of London and loy the Museory Company; two ships were fitted ont under the command of George Waymonth, who made for Greenland; atter reaching a high latitude they encountered such obstructions from iee and dense fogs, that the crew apprehensive of safety mutinied. The ships returned without atding to previons discoveries. In 160a, the King of Denmark cansed three vessels to be despatehed moder command of John Cumningham. They coasted Greenland and reached latitude $66^{\circ} 30^{\circ}$; bat the seamen refused to proceed further. A smaller expedition went ont the following year in command of John Knight, with no better result. 11 dismator. loy and all nt out in : minor, thu hilatid, sol

Having 1, France, me north. oreries ol' rs, having st, as high b must ba discovery very of : a peri he estil. res were ricw. - heroes, series ol editions robishur irection nter.
 commander made roynges in biof, has and hio!. In the latter year, when exploring the roast of North America for the Huth Bast hadia Company, he asemded the river Hubom. In 1410 her discoverel the great inhand spa which hars his mame; it may well be imaginel that on entering on its vast expanse, he telt satisfied that the landia,


 -rw.

In 16ta, the Mereham Adventarers of Landon sent ont Sir Thomas lintom in roumand of two ships, to bollow up the diseoreries of Indscin ; during the following year he continued the examination of the mew-fomed intand sea

In 1614. Caphain Gibhon was dexpatided on a similar cxpedition of discorery, bat
 the explomations, examining the roants of Hadson sitait and of the great chanmel wheh has since herm known as Ballin Bay.

In 1619, thmmark again cutered the limd of disworys. In that year Christian IV sent out two well equiped ships commanded be Joms Mank. Mank traverned bavis Strait, but failing to find the desired opening to the west, he struck sonthward to Hudson Strait and Itudson Bay. How whtered at ('hestrertiold Inlot, the erew enduriug grat sulfering, so that, when summer returned, ont of sixty-five somes, only then survived to make a perilous royage homeward.

Two expeditions left England in 16:31, moder Lake loon and Caplain James; the hater wintered in the ice, nar Charlon Island, in the sombern "xtremity of Janes Bay, and
 single indication that the desired passage to the west was oltainabl.

In 1600 , the Ihndson's Bay Company was inemporated and mudertook varions voyages halving in view the diseovery of the north-wnst pasage to the Parifu Oenan. The first
 wers losi and the rews perished. A seard was sent out for the missing ships. The
 to the lacilic rould be foumd.

## 

In 1742, the british Govermment having obtained from the offions of the Hudsons bay Company information which was regarded as furnishing derisive proofs of the existence of a north-west passage, a naval expedition was despatehed in command of Captain Middleton. Middeton's two ships wintered in Churehill River. This expedition was followed in 17 th by that of Captain W. Moor, who was sent out to prosecme the same work of discovery.

In 1769, under instraction from the Inudson's Bay Company, Samuel Hearne was sent ont to explore Coppermine liver, hat without result. In 17:0, the exploration was renewd; he conducted the expedition by land, having arrived at the river during the winter. He followed the Coppermine to its mouth, which he reached in July 1771.

It was not matil nearly seven yours ather the death of Columbus that the Pacifie Ocean was seen by Einropeans from the newly distopered continent. Vasco Nunez de Balbo erossed the Isthmus of Darien and was the first to behold the great ocean. This took place upon September :5th, 1513. Six years hater, Ferdinand of Magellam emerged from the strait which bears his name, and erosed the ecean to the Jhilippine Islands. The lirst Englishman to navigate the liarifu was sir leancis lorake, who was also the first of his comntrymen to armmavigate the globe. In lis!, brake, in the hope of linding a shortur way home from tha l'arilir than by doubling Cape ILom, explored the Pacilit:
 of "Nrw Albion" to the western pertion of North Anmrica, now known as Oregon and Washington Territories. The roast, at a lower latitnte, had ben visited by Spanish navigators; hy Ferrelo in 1543, by Franciso de Gali in 15st, and by Vizaino and Aguilar in 16013.

For more than two centuries after Drake's discoveries, no European navigators have clamed to rearh a higher latitude on the louifuc coast, if we weept Jnan de Fuca, whose royage by most historians is considered aporyphal.
(7) Fictitums Discorerits of Waternays through the Comtinent.

The efforts, above deseribed, to find a navigall hassage between Europe and Asia through north-western America, were madertaken from the Atlantie side of the continent. If less artivity prevaled on the Parite side, it camot be said that any attempt from the western coast was looked unom as inexpedient ; indeed at this date a remarkable phase in the histury of georaphy may lo noticed. The imagination of navigators, as it were, was allowed to ron riot; if the aetnal explorations were limited, in mumber and extent, theerizing whon on, and several "urions fietions were propagated, some of which have been phaed on reord. Among thosi which gained currener, one may here be alluded to, as typisal of other similar narrations, and for the further reason that the memory of its author has been perpetuated ta the strait buring his name.

A mariner of Greek birth, Ju:m durwa, daimed to have diseovered in 1592 a mavigable strat comeetiag the two oreans. If represented that it was to be found on the western "oast, in latituln $47^{\circ}$ or $4^{\circ}$, and that it had itsouthe in the North Sea, through chammely not far from Indson bay. He dusithed the La: fie inhet of the strait to fo thirty or forty laguen wide, in rasing in width inland to a much broader expanse of water, through which, after twentysix days sailing north and northeast he got into the North Sua.

There was a general idea among navigators that there onght to be such a passage, and consequently the lietion, as it sulsequently proced, of Juan de Fuen, with other spurious narratives gained ready codence. The wish evidmely assisted the belief, for there remained a firm impression on the minds of cartographers, up to a date later than the middle of the Vighteenth Century, that the contiment of North America in its northern part was intersected hy chanels, inland seas, and water passages in such a mumer as would admit of ships passing from one ocean to the other. In illustration of this
the Pacific co Nullez de ocean. This lan emerged slands. The so the first of of finding a the Pacifis we the name ; Oregon and by Spanish izcaino and
igators have an de Fnea,
pe and Asia e continent. apt from the kable phase 4, as it were, and extent, which have be alluded memory of 1 in 1592 a be found en Sea, through he strait to der expanse he got into
h a passage, with other belief, for e later than ts northern , manner as tion of this
common belief, two maps are reprodnced, one by the French geographer, De Lilsle, published in $\mathbf{1 7 5 2}$, the second by Thomas Seffrey, geographer to the King of lingland, published in 1768. For these documents the writer is indebted to the work of Mr . Habert Howe Bancrolt (Vol. XXVII, pp. 12. and 131.) ${ }^{1}$



[^1]
## (s) Exphorations on the Sorth Pucific coast.

In 1768 , the illnstrions C'aptain James Cook reverived instractions, on his last voyage, to make an examination of the western coast of Ameriea in seareh of the desired passage to Emope' hut he fomd no inlet such as was desmibed by Juan de Fuca. Singularly enough, however, Captan Barcha, after whom lbarday Somb in Vanconver Island is named,


Fli, : ,-deflrey's Map, lifis.
diseorerod, in 1787, a strait abont the latitude mentioned by . Junn de Faca, which stait had escaperd the ohservation of Capan Cook. This now well-known inlet then received, and has sime horme, the name of the Greok mariner who elaimed to have diseovered a navigable passage trom the Pieifie to the Athatic two handred years varier. In 1788, the inlot of Than de Fuca was explored by Captain Duffin, and again in 1790 by Captain

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Quimper. It need searerly be added, that byoud th" geographical position of the minnce, it has no resemblance to the ine ginary pasage between the two ocens which Juan de Fuca deelared he had diseovered.

In , $\quad 28$, a linssian expedition under Behring discorerd the strait named after the commander, who on this occasion explored part of the North-west const. In 174, Behring was again mployed, and coasted as lar south as Monnt st. Llias, whith he mamed. Behring and his crew were rendared helphess by seary ; he expired in a misorable condition during the wiuter on an island in the strait, which commemorates his name.

In 1791, Vancouver was sent out from lingland in charge of an "xpedition. The special oljeets ware to ascertain wherther the inlet of Juan de Fueat really formed a strait ; and to explore the coast from latitude :80 N. as far north as Cook's Inlet with a view to the discovery of an castward passage. Those faniliar with the permiar chamenter of the Pacific coast, embraced within the limits of British Columbia and sonthern Ahaski, will understand the necessity of an minute survey for the passage might hare so narrow an entrance as to clude the search made for it. Vineonver wanmed the coant with great care, surveying all inlets up to latited 5 : and left for England in 1794.

The thorough examination of the coast ly Vancourer, fogether with the diecoveries made by Behring, and the werland travels if Aheander Markenzie to the mouth of the river Mackenzie in 1789 and arrow thr Rocky Mombain chain, in 1793, together with the expedition of Hearne, twenty years carlier, to the month of Coppermine Liver, swept away all belief in the axistence of at navigable passuge throngh the continent. It was now established beyond all donb, that the continent exfends mbroken from the (inll' of Mrexico to latitude 69 , the mouth of the great river which bears the name of the celebrated traveller.

## (9) Eighteenth Century Altempts to find " pmssuge to Asiu ucross the Polar Sent.

Every eflert to find a mavigable channd between the pastern and western roasts of Ameriva, having so far resulted in complete failure, the idea of a passage from Europe to Asia across the polar soa, attracted great attention towarts the close of the last century. A mass of evidence with regard to its feasibility was had before the Royal Society whost presidnat Earl Sandwich, was also at the head of the admimalty. The project of an "xpectition across the pole received the farorable consideration of the king whe conmissionsed two ships for the service. They was plaed in command of Captain. Sohn Phippe and Captain Latwidge. Itoratio Nelson joined the expelition as a midshipman.

Thu expedition lel't England in June 17i8, proceeded almost due north to s'pizabergen, and finally reached latitude $80^{\circ} 37^{\prime}$ when the ships were inempassed by ice and ranained in a perilons conditions for some time. Having with difliculty weaped destrnction, the ships returned home.

Forty-three years later, the british Govermment again sent out a similar expedition with a corresponding result.

## (10) Eifforts to fimd "North-wesi Passage in the Nineteenth Century.

Notwithstanding so many discon:agements, navigators continned to believe in the existence of a North-western passage comecting the P'acilie by Behring Nitrait, to be reached
by some maknown inlef approanhble from the Atlantie between the northern coast of Labrador and (iremamd. Inllaned by these views, the British Gorerment, beine extremely dexirons of sechring a new ronte th Lndia, at the closi of the war with France. renewed the eflorts of discovery by olfering a reward of ceno,000 to any ons, or any body of men who would satisiatority establish ins existamer. I north-west passige thus having become a national whinet, two expeditions. were sent out in the year 1818, one undre Captain David Buchan and Lientenant John Frankin, the second under the command of Captain John Ross and Lieutenant Ehward l'arry.

These effort, althongh murailing did not stablish the non-existence of the long songht passage: they rather madn the question more interesting and increased the determination to obtain its snlution. New expeditions were therefore decided on. In 181:?, Captain Parry sailed in command of two ships which aftor winterine in the north seax returned in 1820. In 1201 he aquin commanded an expedition which alter passing two winters among the liskimo returner in 1se:

It was in 141:, that Li-ntenani Franklin was despathed by land to the northern coast, in order to survey to tha west of Copperminn Piver. Hitherto the const had only bem risitnd at two pints ; by It arne at the month of the Coppermine ia 1771, and by Altexamer Mawhenzi at the month of the rwer which bears his name, in 1789. Franklin
 finmey the expedition experienced areat sullering from oold and starvation, and Itood and many of the men perishod

In lset a combined attempt ly four expeditions wan ormaized; under Parry and Lyon from the east: mader beedhey from the west entering by Behring stait; and under Frankin by Makenzi: River. These several expeditions returned in 1820. In
 his command

In 10e!, a wealthy gentleman, sir Forix hooth, mudertook to defray the eost of a prisatu "xpedition, and phaced it muler the rommand of C'aptain Sir John Ross and his nephew James. On this weasion the ships became winter-bound, and were unable to return matil 1-83, the expedition having pased four winters in the frozen region. The anxiely felt for their salfety induced the authorities to sind out a land expedition under fir (worge Bark and 1)r. Riwhal kine. These explorers set out in 1833 and travelled by Great slave Lake and (ireat Fish hiver to the aretie seaboarl ; they retumed in 188.
 north-western discoveries. 11 . was obliged to winter in the pack ice and retnoned to England the following year.
 reached the month of the riwe Mackenzie. The object of this examination was to comed by arthal surrey the several points on tae northern coast which had been visited by previous explorers. They whe engurd in this servere matil 18:0.

In ISta, a fresh attempt to disiowry the north-went passage was madraken by Sir John Franklin and Cuptain Richard Crozer in charge of a naval expedition with 135 ollicers and aen. The unformate and of the expedition is well known. The ships "Erebns" and "Terpor" sailed on May 19Hh, 1845. They were last seen by a whalre, on the following July obth, in Batlin Bay. Alter years of maxiety and uncertainty, and
many them all countr the c of 181 mudい 1and ol
e. long 3 deter1) 181:4, th seas ng two orthern d only and by ankliu return 1 ILood
many efforts to obtain tidings of the missing ships, all that conld be loaned regarding them was romprised in the lew relies fonnd by search paties, proving that they had all perished. The memory of these brave men must ever live in the homts of their countrymen.

In 1846 , Dr. Tohn Rae was entrusted with the work of completing the examination of the erast. Le wintered within the aretic rive and remaned there mont the summer of 181 .

## (11) Rerpeditions in Seurch of Frauklin.

Franklin had been away three years when the British Govermment ronsidered that the time had arrived, when search should be made for the missing ships. It was therefore detemined, early in 1848 , to send out there sereral expeditions. The first, consisting of two ships under eommand of Captains Moore and Kellett, was to procred by way of' Behring Sirait. The second under Sir John Richardson and Dr. John Rae was to go by land, desemding Mackenzio River to its month, and to follow the coast as far as the Coppermine River. The third, being two vessels commanded by Captain Sir Janes Ross and Captain E .F. Bird, woll supplied with stores of erery kind, was to proeed by Davis Nratit, and to follow Lancaster Sound westwad. These relief expeditions left nothing undone to attain the object they had in view ; but up to 18.50 no traces of the lost ships had been found and renewed eflorts beeane necessary.

In 1850, expeditions proceeded by Behring stanit under Captains Collinson and MeClure ; another by Barrow Strait under Captain Anstin; a dhirl, by the same ronte was sent ont by Lady Franklin in rommand of Captain Pemy.

In 1s, 1 , Lady Franklin sent out a ship umder Caplain Kemnedy, with Liontenat Bellot of the French mary as second in command. They wintered in the ice, and made long sledging joumeys, adding to geographical knowledge, hat withont accomplishing the main object of the expedition. They retumed to England in 1852.

In 1852, another expedition was sent ont by the British Gorerument, consisting of a number of vessels, in command of Sir Edward beleher, Captans Osborne, lichards, Kellett and Meclintock. Among the ofticers wer, Terry. Hamilton, Merham, Nares, Fim and other well known names connerted with thr naval service.

In $18 . \%$, Dr. Rae again undratook a land expedition; he completed the coast examination of the previons years, and comected the discoveries of former travellers. Dr. Rae was the first to bring back tidings, of Framkin; the news of the fate of the expedition, thus obtained, reached London, October 2.2nd, 18.4. Dr. Rae bronght home with him relics of the heroic commander, which are now deposited in Greenwich Hospital. Other relies were subsequently recovered by the Mediniuch and Hall expedition.

Between the years 1848 and 1854 some fiften expeditions wre sent out, mainly in consequence of the anxiety felt regarding Sir John Franklin and those who accompanied him. Unwearied exertions were ma by Lady Franklin herselt'; she exhansted her own private means in sending out auxiliary ships to continue the seareh, whike her appeals for aid aroused the sympathy of the civilized world.

The sench ras continued from year to year. winter as well as summer. The ships which entered by Behring Strait in 1850 remained in the ice for move than one winter.

The "Eaterpise" under Captain Conlinson returned to England in 185 thy the Parifis. The "luvestigator," under Captain Me Chure, newer retmed. In the second yar whe reathed a pataomystic region wher, she herame hopelessly embeded in the ice never to mow again. In the third year, her perilons position having been discovered by a sledge" party under Captain Pim on a relicf'rxpedtion, the ship was abandoned, and Captain Drélure his olfieers and wew to lind safety marehed over the fore to the "Resolute" of Sir Edward belcherss expedition which they purhed or Jume 17h, $1 * 53$, after a jonmey of two werks. But they did not rearh England until the following year. The "Resolnte" was cancht in the park ice and there remained during the winter of 185:-5.5. This ressel was arentually abandoned, on May 1thh, 185t,' to be recoveret in 1850, after dritting in the park nearly a thonsand miles. Meanwhil. Me.Clare and his men reached England by a wellef ship in the autum of 1854.

## (t2) General Results of the Muritime Expelitions.

Thus terminated the royages of ascovery for a western passage for ships from Europ to Asia. Sinee Cabot sailed from liristol in 1497 under the anspices of Ilenry VII, up to the day, when the return of Franklin was for ever despared of, there have been almost reaseless etforts to obtain it. In the mumberless attempts to find a norlh-west passage, Englam has risked the live of many of her adventuroms sons. It is a story of heroie atrugges year after year in ichernmbered regions, and of daring and unsuecessful attempts for three anit a hall centuries. The single instance of partial snecess is that of Me Clure, who traversel the ronte from the Paific to the Atlamic with has ship's erew. His shiz was, howere, beft buhiud, and a second ship in which he found refuge wa abondoned, the royaurs reaching England on board of a third ship abler an absence of nearly fire yars. Me.Clure was honoured and rewarded by the Briti.h ladiament ; he had demonstrated the possibility of passing between the two oreans, but with the condition that for sirwal degrees of longitude the passage is across an impenctrable reqion of palnorrestic ice. What has a negative solution to the problem which has tried the skill and daring of navigators erie since America was fi t discovered. and on whis the lives of miny hundreds of brave men and many millions of money had been expended. The obstacles to narigation aromed the northern extremity of the rontinent have been prowed to be insunerable. It had been established heyond all question, that the climatic conditions of the Aretic Oeran render the passage of no commercial value what"rip, and that nature has imponed an adamanine barrier beyond the power of man to renore.

## H.-IDISCOVEIEIES HY IANI.

## (1) Exphorations by the Prench Pioneers.

If the maritime ctlorts extembing over thee and a half centuries, and of which the ahove is only a laint coutline, were, i, vinw of the objewt songht, completely barren of frow the orerland jonmers muss ber eararded in a different light.
'in Rescolute was found liy a whater from the Vinitel states, she was hrought into port, and eventually

$U_{p}$ to the commencment of this contury, no axplomions were undataken bey the (iosemment or by nuy ritizen of the lnitm states, leyomd the valley of the Missonri. It is to the worthern part of the continent that whas to look for the swat of adrenture mud coterprise. It is mainly within the twritory now known as the Dominion of Canada What the earlest and more important results were obtanded.

The Fremeh pioneers displayed remarkab? onterpmise and ativity. As early as 16 b , Champlain asembed the Ottawa, and disouered Lakes Inmon amd Ontario. In 16io, Fathers Jognes and Raymbanlt were at Salt St. Mary, the diseharow ol Lake Nuprior.
 Mareuette penetrated to the Mississipi, and doscended its waters as far as drkmsas. In 168:- La Salle desemded the Mississipi to its month. Is maty as 1ath, an oramad expedition from Quebec under tather ('harles Alhamel, reached Ihnden Diay, and in 1684 a trader, Noyon, had fomblhis way to the hak of the Womls.

A great impulse was qiven to these discoverico carly in the following contury, Lat Ferendrye the elder, between 1731 and 1783 , established varions trading posts on Lake Wimniper and its tributaries, Rod River, the Assinitome and the saskatehewan. His son, Chevalier Lat Verendrye, undertook mone distant expeditions to the west and somth. This adventurous baveller phase on merd his arrival at some mountains whid were probably the ontlying highlands or loothills whidh, swith of the thth parallel, extend some degrees of longitade to tha east of the Rooks Mountains zone. I'mbrr Nis arville, the aseent of the river saskatchewan was made for some considerable distane and the narrative statos that the Rocky Monntams were sem.

## (2) Rïrst werlaml . Ionrury to thr Pacific Gepan.

 of discovery were made at the instance ol tha English tradiner "ompanies. In 1771, Hearne, under the instructions of the ITmbsms Bay Company, which then had been in "xistence a hundred vears, followed the river Copprmint to its month on the Aretic Owan. In 1783, the North-West Fur Company Was formed, with its hadquarters in Montreal. By the year 1787, its trading posts had reached the river . Ithathasa, and the following year a post was astablished on Peace River. In 1684, an ottiow ol the company, Alexander Mackenato, discovered the great riser of the north wheh bears his name, which he descended to its ontlet in the Aretie (bean. Threw years later he arrived at the lamilie coast in latitude abont $53^{3}$. This intrepid traveller made the lirst orerland joumey to the Pacific, north of the Grulf ol' Mexico.

## (3) L'nited States orertand Expeditions.

Twelve years altor Mackenzie had traversed the continent in the interest of a Canadian tior company, the attempt to reach the lacilie Oetan, was repeated by Lewis and Clark, mader the anthority of the govemment of the United states. Up to this period the "entral region of North America, within the limits of the Inited States was unknown. Conadian merchants had established trading posts from the st. Lawrence to the Rocky

Monntans and from Hadson hay to Peno River; they had extended their explorations from Lake suprior to the Ame Oeta, at a time when the whole region from the Miscomi to the lacific had been matroden by white men.

Captain Lewis and Limutenment Carkr, with astrone and well equipped expedition, hat the Atlantie coast in June 1803. and rearhed the mouth of the Columbia in Deember, 1 sat: Leturning, the expedition arivel at Wahineton in February, 1807. Their ollicial journal Was not pullished matil [stt. Notes wero howeror given to the publie in 1808.

With the exeption ot a private expedition, sent from New York three years after the retarn of Lewis and Clarke, the moving spirit of whidh was John Jacob Astor, and which enthd in faibure, there was no intereours between the United states and the Pacitic coast by land matil the second quarter of the present contury.

After the failure of Astor's Company, the first - neressfinl attempt in the United States to form a connection with the west was in 1s.o., when Jerlediah Smith led a party areros Utah and Nevada to Califorma. The sorond was in 189, when Nathand J. Wyeth amd some twenty others procended operland from Massachasets to Oregon. These were the pionser waves of the tide of immigration whath followed in after pars.
(4) Explorations umber the' irtal Iitir C'ompatiess.

The agents and othenrs of the Conadian fior ompanies penetrated the comatry hejond the Rorky Momatains in all direetions. They matabished trading posts thronghoud Now Caledonia, now British Colmmbia, (1) in 1805 on Mchood Lakr, (2) in 1806 on Sthart
 dition staterl from the latter poin to trane the Jackann to the sea. They diseovered Thompson River in 180x; they traversh the river Columbia from its axtreme northern bend at loat limampanant to its month in 1811 ; and their agents were the first Enopeans to "xprise control in the "xtensisw region now l.nown as Oregon, Washington Territory, and British Colmonha. Thronghont that rasi region arly in the eentury, the Canadian fin companies fonded many trading emablishmonts, and gation a dominant influme amonges the nation tribss.

Early in the wentmy the seraral fir companiss were redured to two, the "NorthWest" and the "Indson's Bays." In TEン1, the rival, berame consolidated to form a single organzation, henceforth to be known ly the name of the "Inulson's Bay Company." The anthority of this company゙ was now madiopnted, and its inflnence was supreme, as well thronghont the region bonnded on the west be the Pacilie coast, as to the east of the monntains. In 18:9, the company entered into an arrangement with Russia for the lease of Alaska : and its trading poss ware established at all eligible points from Behring Strat on the north, to San Francisco to the sonth. For the time being, the northem Pacilic coast was virtnally in possession of the Hudson's Bay Company.

In this condition of aflars the river Columbia proved of paranount importance as the means of intercouse between wast and wesi. For half a century after David Thompson's first desent in 1811, it herame the great highway between Canads and the Pacifuc. There was no natural line of commumication more aceessible or more arailable; and at the date when the Oregon Treaty want into force, fow travellers attempted to enter

British intlndi, up to tl

## within

 mereial adrent journey and das Monnta rivilize not the in Ores relinyt allhor -xistedBritish Columbia by uny of her route. It is obrious therefore that we are waranted in inchuling in the list of' C'anadian overland expeditions, the journeys loy the river C'olumbin, up to the period when the IIndson's bay Company's forts on its banks wre wacmated

The Itudson's Bay Company, as the inheriter and representative of all provious fiur companiss, has played an imporant part in the rarly history of the western territory within the limits of the bominion. 'The extended trade and influener of thi vast commereial concern limishes evidence of extraorlinary energy and persereranco. The adventurers and explorers in the servire of the rompany undertook the most latiguing jonmeys, and evinced the greatest fortitude in exposing themselves to hardship, privation and danger. It was they who took possession of the territory on both sides of the liocky Monnains and on hoth sides of the foth parallel. They were for many years the only "ivilized oceupants of both banks of the Colmbia from its soures to its mouth, and it was not their fant that this region is not now part of the Dominion. They held their ground in Oregon and Washington Territory under the British liag until they were sompelled to relinquish their hold by the treaty of $18 t 6$. But for the disoreries made meder the autherity of this liur company, New Cabdoni: or british C'olumbia would nerer have rxisted, and Canada to-day would be shat out from areess to the l'witir.

It was ont of the tangle of diplomary that the treaty whirh terminated the anthority wi the Hudson's Bay Company over the region watered by the Colnmbia was evolved. But the Oregon Treaty did not at onee suspernl all the company's operations south of the I?th parallel ; it gave eertain rights of possession and of navigating the river, subject to the regulations which the Government of the Linted Shates might impose. For some years the trading posts were retained, but owing to she conditions of the traty it beame neressary to give up to the United States authorilies all the forts of the company south of Puget Sound. In 1860 , the Mudson's Bay Company abundoned its various establishnents in Oregon and Washington Territory, and the moveable property not disposed of was transferred to Fort Victoria on Vancouver Island, the point at which, as headquarters, the operations of the company, west of the momatains, have since been centred and carried on.

In the lollowing bried ontline of the expeditions undertaken betwen Canada and the lacilie, no attempt will be made to ralate the frembent overland voyages of the brigates of fur-trading canoes, exerpt such of them as have been specially recorded. Intercourse was regularly mantained by the company arross the continent during the hall wntury which preceded the abandonment of Oregon. During that period, the route generally travelled on the westem side of the mountains was by the Colmmbia; on the eastern side of the range, the chain of rivers and lakes leading to York Factory were followed.

## HID-GANADAN OVEIGIANB ENIPBITIGNS.

The earliest overland journcy to the Pacific was made in 1793. In the ninety-two years which intervened between that date and the completion of the Canadian Pacific Railway not lass than forty such joumeys are on record. They may be divided into three classes, chronologically separated into three periods.



 the companys oflicers who explored the western territory, and planted trading posis over a princval eountry, thousamds af miles in extent. Grographial knowledge was not the main ohect of these exphurs; ; hat their energy and matorprise enabled them w make diseoveries which had the remarkable consequence of establishing rights mational in their character, and of gaming infomation of man ereneral importance and seientilie value.
(1) Liquelitions of Nir Altrmmer Muchenzi", 17x:-179:3.

Amone those whe have distinguished themselves by their explorations on this
 ranks the first on the list of werland dineoverers. He was the first white man from Cimblat to red the Arelic Ocena, the first Europem to pase throngh the Rocky Momatans, the lirs owertad mavelar north of the (iulf of Mexion to arrive at the shores of the l'acilic:
 known when he arrived in Canada; we however, learn from himself that in 1785 he was admitted a partner into the fur-trade operations in the wrst. If had then been tive years employed in the oftice of Mr. Gregory, so that he must have been twenty years of ago when he bogan. His first renture was with some goods to Detroit, at that date litlle more than atrading post. Thence he proveded to the (iramd Portage, north of bake Superior, Where he commenced his remarkable career. He informs us of his ambitions hopes in the following words: "I not only contemplated the practicability of penctrating across the continent of Amerian, but was confident in the qualilications, ans I was animated by the desire, to mudertake the perilous enterprise."

For some years a serorn strught had been going of betwen several rival astablishments, and, independently of the natural dilionlties of the trader's life, the greatest opposition was encombered from the rommon low, the Itudson's Bay Company. The resmlt was that a mion of their surval interests was etfected; and, in the year 1787, the Yorth-West Company was organized on a solid basis for the parpose of vigoronsly carying on the fur trade.

Mackenzio became connected with the new eompany, and we find him in 1789 at Fort ('hipewyan, on the lake of' the liblls (Lakn Athabasala). On Jome 3rd, of the same year, he set ont on his journey to the north, where he disoveced the river whieh bears his name, reaching its mouth which lies within the Aretic eirele. This geographical diseovery was of the highest importance, inasmuch as it swept away all dubions conjectures which had benn formed as to the existence of a strait or passige for ships throngh the interior of the North American continent. He returned to Fort Chipewyan on September 12th, 178!.

We learn from Mackenzie, that on his voyage down the river he had felt himself deficient in the knowledge of astronomy and navigation. He unhesitatingly, therefore,
 buks and instruments fior his fiture new It was in this way that he propared himself for the expertition to the lawitic.

Once more Markenzie fomd his way to tert Chipew yan, ind, on Getolne 10th, 1892,
 Sombling leace River motil his progress was impend ly ire, hee party remaned for the winter at the place where the delay was experioned.
 leare liver to the Forks; one brameh of whinh has bem namel the limbay, the other the
 the ereat riser valled Ta outche bey the halime, "uttine a pasage through the words suthat he could carry his canoe with him. Marhenge formel the opmion that the river
 whens simon Fraser followed its waters to the strat of Georgia. The tratrollers floated down the Tacout he five days, menting ludians whth whom some dillentey was exprorirowel. They lamed from the hodials that the riwe they were following was of great l-ngth and full of prils. His aurlo beoming matinons, la decided to abomdon the
 another rome. In order to gain the path to the weat mexif lig the Indimes, the exploner fand to turn back. Fort Alexamdia was ewhblished twentyough years atherwards, at the
 "xplorer.

It proved fortunate that he so determined; the romte demeribed lyy the dudims led to the sea in sixteen days atter learing the main river. His parly had adroutures with different Indian tribes; they wre phaced on shet allowawe, and und wremt hardships,
 the sea overland from Canada, and floated on the tide-water of the Patif: The ;wint reached is near the hodian village of brlla Coola, on the North Bontick Aran, abont
 Ingusi 2 thh, the point on Pate River where the party hand pased the winter, and from which they had atarted west on May sth. They arrived at Fort Chipewyan altur an alwence of deren months, during which period they had momentert many dangers and malergone privation. Mackenzi, had the mugulifical satisfaction of feeling that the work of exploration and discovery he hat mudertaken, with all its toik and solicitudes, had been erowned with complete suceres.

Sir Alexamder Mackenzie's portrat is given in the odition of his works of 180 t , alter the picture by Lawrence. There is almost a liminine deli"acy in the features, but arompanied by a dantlessunss of expression, with a month romed the lines of which can In read lirmmess and deternination. Ihe describon himself as of an inquisitive mind and anterprising spirit, and an possessing aconstitution and limue of hody equal to the most arduons undertakings. It was his pride to thiuk that he had added new regions to the realm of British rommeree. Mackenzie died in 1820.
(2) Trards and Distomeries of Mr. Niman Fitaser, 180:i-1806.

The explotations of Mr. Nimon Fionser were in every mense remarkuble, mad they have



 osupying the teritory. The desim was to anticipate the United States explorers and fradere, whomight establish a chat to its ownership by reght of disoovery and acempa1ion. If was derded that trading gosts should be wahlished in the then unkewn terttory, mad possession by this buans baken of it. The duty of rarying out the projed was
 Athabasa, and asemend leme liver in the mondains, wher he established a frading post, whidh he named the Rocky Mountan Portage
 ered, and there also left some trabers. In 180 he hertaged to Fraser River, at that
 luft the Fraser, and tollowed a mbutary fowine trom the west wasd, now known as

 St. James. 11 b penetratedte Fraser Lake, anollur of his diseoveries, and there also he estals-

 him: at the same time he remive lettres breme him to sary on his explorations to the onean, by the river llowing throngh the comary to the sonth, in antipation of parties from the Thited states, whe were dioplayine some activity at this date; Lewis and Clark having bean wnt ont by the Thited states (iovermment to the latifie eoast. This year Mr. Tiraser wstablished anohber post, Fore Georer, on the main stream.

In the spring of 180s, Mr. Friser, with "wsss, John Stuart, Jules Manjee Qnesmel,
 "xplore the mbnown waters which wrereremded as main athlent of the Colmblia, They left Fort George oll May $28 t h$, whenthe river is desmand as 300 yards wide with a strong marent. They remed its month on July 1st, and fonnd the latitule to be about $49^{\circ}$, establishing that the river was a separate mad distinet stream, and not the Columbia, the latitude at the mouth of whel was then known to be $46^{\circ} 20^{\prime}$.

For a fiew days after having fort fenge, the expedition maderapid progress. Sir Alexander Mackezie fifteen yats matior, had passed ore somer extent of the distance to the poinl where, on the adriee of the lathans, he turned bayl, follow a trail westward to the sea. The Imdians whom Mr. Frasor met wor friendly, atal gave him similar adrice: they informed him that the deseme of the river was rxtremely dangerous, that he cond not en on. and that the whole party would med destruction if they made the attempt. Thu dejeet of the madertaking being to follow the river to the month, Fraser dectined to turn batk. The veritialion of the Indian desuription of the mavigation was not long delayed, for in a short time appalling ditliculties were enombtered. A striking narrative of this dessent is gizen in the fommal of Simon Fraser in the work of Semator Masson, recently issued, "Le Bourgeois de la Compagnie de Nord-Ouest."
 the least dangerons of a longereries whinh lay helore them. In the firat canyon they lost
 yurds belwert preeipies, the water "tarhahot noisy aud aw find bohold." They made a portage af' a milo over most diffent gromal, havius the man harasiml by fatigne. On
 they lightened the ranoes and ran the rapids. (Jy it, 9 th ' the ehannel contrants to whont lorly gards, nud is enclosed by two preopions of umachse hight, whidh, bemting towards eneh other, make it narrower abose than below. The water whids rolls down this extroordinary passage intummbthous waves, and with erme pelocity, hand a frightial apearamere. Howerer, it being absolntely Empossible to wary the ranoms hy land, all hands withont hesitation ambarked as it wreatorps pertu upon the mory of the awful tids. . . . . Nkimming abong as fast as lightning, the rews, cool and determined, followed each other in awfol silener, and whon we arrived at the end, we stood gazing at wath other in sibut congratulation on our uarow weape trom total destruction."

Again on the same day, the jommal mats: "This afternoon the rapits were vory bat ; two in paribular were worse, if possibhe, than any we had hitherto wet with, being a rontinhal serios of daseades, intereepted with rocks and boumded by precipises and momatains that scomed at times to hase no mad." At last they fombe the mavigation Wholly impracticable, while the preipitous river sides had a mont forbideling aspert. Even men of their nervecobld proced no further on the foamingstrean. On the luth they were compelled to abandon the canoes and many artieles not absolutely rexumed. They started to travel the rugged banks on fool, bath with a load of "ighty pounds. To describe the walking woukd bathe description : only thost who know the river all imagine what these travellers molned, passing along the declivity of mombains, ascembing and desending rugged rocks, erossing pavines and elimhing prefipiees. On the 1:th, they wachul a large rapid river flowing from the east, which Mr. Fraser naned the Thompson, after his [riend and colleague in the work of discovers, Mr. David Thompson.

On the -oth, ay reached what is now known as the Tackass Mountain. "The ascent was dangero. ; stones and fraguents of rock were continually giving way from our feet and rolling ofl' in sheression." Again, on the 25 hh, we read, "the ascent was perfectly ferpendicular ; one of the Indians climbed to the summit and, by means of a long pole, drow us up onn alter the other. This work took three hours; then we continued our conrse, $\mathrm{u}_{\mathrm{p}}$ and down hills and along the steep domivities of momenins, where hanging rocks and projecting eliffs, at the edge of the bank of the river, mate the passage so small as to render it at times ditlienlt for on person to pass sideways."

On the 26 th they came to Spazam, and on the $20 t h$ they emerged from the canyon, and were lortunate enough to obtain armoe from the Indiths in the neighborhood, by means of' which they reached tide water on duly 1 st. The Indians on the coast were excerdingly tronblesome, and Fraser was obliged to hasten his departurr. Llis party started on July 3rd, returning by the ronte they rame, and reahed their starting point, Fort George, on Angust 6th.

That portion of the Fraser from the conlluence of the Thompson downwards, is now traversed by the Canadian Pacilie: Railway. It is possiblo from the passing train to look upon some of the ground over which the men of Fraser's party struggled, by which some

 traveblems, for part of the way, were dopement on the ladians for fool, whide consisted of dried lish, inmins and rovis. Exept on the upper sedion ol the river, previously risited by Mackenzie, mone of the tribes on the route had rem before sern the face of a white man, and eantion and prondene were meressay to aroid awakening Indian enmity. The undertaking we bravely and sucersfinlly aeromplished; and it is no little owing to Simon Fraser and his associate disorerers, Messis. Finart and Queshel, of the NorthWext Company that the eomery north of the 490 h parallel is at this date british territory.

Mr. Fraser manimed in the sorver of the company for some years after the diseovery of the river which has bern mated in his honor. On his refiemment from his position, he was ollewt a knighthood, lom the honour was deelined, owing to his narrow eireme stances. He died at s't. Andrews, abore Montral, at the age ol eighly-nine, vary poos, and leaving no provision for his family. such was the late of this taring explorer, who Was so largely inatrummal in se uring the british foohold on the Pacilic coast, withont Whidh the Dominion of Canala wonld have been shat in on the west hethe Rorky Momentain:

## (:3) Trarel: amd Disompries of Mi. Dacid Thompsom, 17!0-1811.

David Thompson, whose exolorations whe molertaken early in the century, was a Wrlshman; he was born in $17-1$, and whated at the grey coat sehool, London. Me 'moned the service of the Hudenn's Bay Company in 1789; and proceded to Fort Churehill, where hermand fire years. For the stereding nine wars of his life on this continent he was "heaget making survers of the rivers Nelson, Churchill, Saskatehewan and their tributaris. frequenty visiting Fork Factory during that periot. Having eompleted his Angigname with the Lludson's lay Company, he joined the Norlh-West Company, in 17:3, when he went to the Grand Portage near Lakי Superion. Following his datios as astronmer and geographer to the company, for a number ol gears he was present with the Mandan Indians in Missomi at Lae La Biche, Lake Athehasea, the Rorky Monatains and neary all the stations of the sompany thronghout the vast territory.

In lana, Mr. Thompson antered the horky Mountains in latitud $51^{\circ}$, probably in the vicinity of the same pass an that followed by the Ganadian Pacilic Rablway. He descended one of the northern branthes ol the Columbia, whieh he called Meciillivray Kiber. Ite was, however, driven bark by Indians, and compelled to recross the monatains.

In 1-nT, Mr. Thompson was again in the Rocky Mountains and was the first to go throngh what is known as IIowes Pass, by which route he reached the Columbia. LIe asomded that river to the Cohmbia Lakes and built Fort Kootenay. In 1803, he deswhthed River Kootenay to Kontuay Lake where he entered into trade redations with the Flatheal Indians. Ha retmond by another ronte to Foat Kootemay, desended the ('olumbia do, Bathbery River, and reerossed the mommans by the Ifowes Pass. He then

[^2]
 experlition.

On August thl, he again started for the west and arrived at the Colnmbia on Octobor Bre. In his notes he speaks of hor limid liver, now known as the Kibkingforse liver. He rontimed at Fort Kootnaly, trading with the Indians and making explorations in the neighourhood. There is sombronlusion in the areonat of Thompen's

 Athabasea liver to its somere, and erosem the mondatins by what is now known as the Ahabasea pass to the Cohmbia, where hu armid early in danmary. He spent the wemainder of the winter at the month of Canoe liver, ami in the sprine of 1811 he left for the month of tha. Colmmbia. Gut he did not lollow the stremm on this oreasion ; he
 tonay River, thence by lemd doreith amb Emkane Rivors. On June tath he wehed the lalls of the Columbia known by the Indians as liblene Ape (Fort (olville), and thenco followed the man river for the laciles boas, where her arived on Joly hath,


 Lakes and the Colmuhia to the month of Cimoe liver, whene he had startul a few months previonsly to ascemd the stream. Mr 'Thompent was thas the first vivilized
 Colville, to its sonmere.

 opposite. Montreal, on February hith. 1siot. it is sal to write, in extreme pornety, His widow followed him to the grave in alew werks. Bancroti shys of lavid Thompson: "No man performed more valuable sorvion or patinated his achevements more modestly." He was well edmeated : and his memorolonial and astromical observa-


 Crown Land leparmont of Ontario.

## (4) Sournezs of Ahi A'comuler Momy, 1s11-1s14.

 followed the ordinary roule ria Lakn Ninisaing. From lisme, and sant St. Mary to Lakn superior, and the cunoe route to Lake Wimiong. Enumed as a fur trader he spent

[^3]ten years in the neighourhood of Rad River, visiting from time to time the posts at Pembina, Assiniboine and Missonri. Me made almost ammal visits to liort William on Lake Superior until 1809, when he started for the Saskatchewan, and in 1810, passed up that river to Rocky Momatain Jonss. In May, 1811, he set out to reach the water fowing westerly to the Pacific. He reached one of the somres ol the Columbia, and meturned to Rocky Mountain Honse. Jrom 1811 to 1813, the jommal of Mr. Menry is wanting. It may, howerer, be salid that huring this period he proceed'd in 1812 to Fort Vermilion, and it is inferred that he spent the following year at Henry Ilonse near the junction of the Myette and the Athabasca. In 1813, he crossed the Rocky Momatains a socond time, on this oceasion following the river Colmmbia to its month.

On Derember 1:3th, 1818, Mr. Henry was present at Fort Astoria, when the Captain and erwo of II. M. s. "Racoon" landed in unitom, and with some mremony broke a bottle of Madeira on the large llag stall carrying the Union Jack. They took possession of the comntry in the name of llis Britannie Majesty and naned the establishment, which was then owned by the North-Wist Company, "Fort (icorge." Mr. Henry remaks in his jouraal, "the ollicers of the Racoon are tamous fellows for grog." The yoar following, he was drowned in a hary stom when abont two miles ont in the stream of the river Columbia, near the fort. The last antry in his jommal, which is preserved in Ms. in the Parliamentary Library. Otawa, is dated Saturdey. May $21-1$, 1814. Mr. Aldxander loss refers to the incident in his namative of the "The Firr Jmoner" (I, p. :88.) "On May 2end, some time after the arrival of the Istate Torde a boat eontaining Messrs. Donald Mre Tavish and Alexandar Ifenry, two partners of long standing and high reputation in the -rriac, with six men. Was swamped, all hands perishing, in crossing the river, with the exeption of one man. Athongh the aredent took plare in broad daybigh, and in front of the lort, the wremstance was not previted or known, for some hours atter, when John Litth, the man who was sared, arried at the fort, and communiated the inteiligence.

## (i) . Iourney of Mr. (iabriel Pramethere, 1s14.

Thes ship "Tonquin" crossed the bar at the month of the river Colmulia. Mareh 25th, 1511. She had on hoard thirty-thee passentrers, thity of whom were british subjects, and of these twentereght wrer from Canada. They had passed round Cape Horn from New Vork; their objeet was to rarry on the fine trade on the Pacitic coast, under the name of the "lacific Fur Company"; of which company, Mr. John Jacol, Astor, a German by birth, residing in New lork, was the prineipal promotor. The Canadian partners had among them seran it e traders who at one time had ben in the sorvice of the North-West Company, $\mathrm{Ir}^{\mathrm{ran}}$ (o) his ovarlaise
wexander McKay, who had acrompanied Sir Alexander Markenzie, mes. On April 12th they selented a site for a building in which Hu hasiness of the company could be varried on, The establishment broke up two years athowards, and on October lath, 1813, the Canalian North-West Company purehased the "ffets and asepted the fransfer of Fiort Astoria. Some of the elorks who had been engaged by the lawitic liur Company were reengrged during the winter by the new company. The others remmed to Canada, among whom Gabriel Franchere started orerland the spring following, and described the journey in a narrative published on his retma.a.

[^4]Mr. Franchère left Fort Georg", as Fort Astoria was then called, on April tha, 1814, in company with some of his companions who had donbled Cap: Hom three yous matier, and who were deprived of emplogment by the turn of afiais on the Columbia. They cmbarked as passengers with a Vorth-W Company brigade consisting of ten "anoes- eath with a crew of wirm men, in all ninety persons, some of whom were going to posts in the interior. Thiy werr all well armed in order to protert themselees against hewtile tribes along the river. They asemded the Columbia to the Great Bend, which they rached on May thi. On Canoe liber, they noticed the spot where David Thompon and his party had wintered in 1810-11. Tracing their way atross the Rocky Monntains, they reached the upere waters of Athabmsea River, which they followed to Litule slave lake. Their ronte from this puint carried them to tort comberland, Lakn Wimipeg and Forl William, where they arrived on Inly Hih; Mr. Framehere reahed his home in Montreal on Septomber 1st.
(6) Trutels o; Mi. Ross Con, 1812-1817.

A second ship, the "Beaver," seat from New York by the lacilic Fint Company, ariced at the moth of the Colnmbia on Day ! th, 1ste. Among the pasengers was Mr. Ross Cox, who, having obtamed a elerkship in the serviow of the company, hat merente to Astoria, to assume his duties. In tw 31 Mr . Cox pmblished a marratire ol his (it - ! : , 6 nu the Paeific coast, and des ribud his foumey ormand to Montral. In these 1 watas - be refers to the arrival on July 1ath, 1811, of Mr. David Thompson, astronomer to the North-W est Company, in at moe with nime men. Mr. Thompson had desended the Colnmbia on an expedition of disoovery prematory to his company foming a settlement on that river. Mr. Cox, during the smmme of tole heft the thenter to trade with the spokane tribe of ludians. The following yent, on Jun lith. he returned to Astoria, to lind a total revolution. The lacitir Fiar Company had met withaseries of misfortmos. Mr. John George Mc Tarish and doseph ha Rocque, with sixtern men of the North-West Company had arrisul and hat entered invo an adreement to purchase all the celferts of the lateilie Fur ('ompany at a ralation, and to give sueh of
 lam. Mr. Cox was one wh those who joined the new administration. He left Astoria
 The following $y=\ldots$ the returned to headyarters then named fort George. where he

 Fort (inorge.
 sixting of eightyons sonls, which cmbarked in two batges and nime canors. The brigath :swended the Colurabia to Camoe River; the party thene erosed the momntains and by the ustal route reached Lasser Slare Lake, He it la Crosse and tinally C'muberdand House. They reseonded the saskathewan, passed through Take Winnipeg, Lake of tho Woods, and Sainy Lake, urving at Fort William on Ausust 16th. At that date
 cxpedition ${ }^{\text {ard }}$ Selkits, and others were at the fort. There was here eneamped a
motley gathering of coyngemes, soldiers, lndians and half-hreveds. The De Meuron soldiers repersented nearly wery country in Europe, Lesides natives of Canada and the United States, Mr. Cox saw men from the Simulwich Istands, fro negroes and an East Indian from bengal. Proveding by salt st, Mary, French hiver and the Ottawa, Mr. Cox reathed Montreal on september 19th, tive montha and there days from the date of leaving the Pacitio coast.

$$
\text { (i) Tratels af MIr. L. W. Harmon, } 1800-1819 .
$$

Mr. Bancel Willian Harmon beft Lathine on April e9h, 1800, in company with sereral other oflicers, muder an mugement of seven years servie. with the North-West Company. They passed sault si, Maty on May sonh, rearhed Grand lortage on Jum 13th, and hake Wimiperg on Iugnst 10th. In Nomember he was at Swan River post; on Webor 23rd, 1shl, he memions hating met Mr. William Hemry at this place. From 1802 to 1807, Mr. Larmon was stationed at Fort Alexandria, Lac la Biche, Qu'Appelfe, Batphin, Swan River, R:any Lake, Bird Mountain and Cumberland Honse. In 1807 he made : journey to Fort Dunain, on the north shore of Lake Nepigon, where he spent the winter. In bas her ont fion the far west, whed Lake Wimipery on August 1st, Cumberland Hown on Angust 12th. and Fore Cl 1 an september th. He here med Simon [raser, on his ram from the Pacilie Cois, he sume year he reached Dunvegan om Peace liver. From whe to 1-th. Mr. Harmon was dugaged at various points in the Pomer River mgion and in New Galedonia to the west o! the Rorky Momtans. In 1810
 Laks ; in 1814, at Fraser Lake. It does not appear that Mr, Itarmon ever reached tho lamine eoast : he however pased ejeht and a-hall years on the western siun of the Rocky Homatans. The deseription of his travels and exprinence aceords with the other expeditions related in thes parw.
 Laki superior, on Anent telh, the same year, en roule for Montreal.

Hamon's Jommal. publishen in 1xen, furnishes an interesting narmative of a fur
 triber with which be canne in contant on both sides of the Rocky Momantans.
(o) The Trames of Mi. Ile:camder Pioss, 1811-1825.

Mr. Alexander Ross, on oit the twonty-cight Camadians who landed at the month of the Columbia in 181t, has related his adventures during the liftern gears he remained on the Parife coast, and given a marative of his expectition across the contincut. Mr. Ross was in Uper Canada when he was invitwdy Mr. Alexand Ar Kay, the semior partner, to join the Paifh. Fur Company, then heing organzal by Mr. Astor. He proceeded with several ('amalians to Niw York, and there embarked for the month of the Columbia, with thirtythreedifferent persons, all hat three of whom were British subjects. Mr. Ross was present when Astoria was "stablisherl, and when David Thompson, of the North-West Company, arrived there a lew wows latw. He deseribes the cirnmetances which led, in the Followine smaner, to the beakine uf of the lacific Fie Company, and the transfer of the
stores, Astori takin
stores, merehandise and buidings to the North-West Company. He informs us, that after Astoria had remamed in possession of the latter company for ahout fom werks, it was taken pessession of by the ofliere in command of II. M. S. "latoon," in the King's name, amd rhanged lrom Astoria to Fort (icorqe. Fomr months later Mr. Ross entered the strvire of the North-West Compary, and proceded to tha dutios assigned him in the inturior: He spont the following twelve yars traling with the Indian tribes amongst whom he had many adrentmes, and not a few hairbreadth escapes. [n the spring of 1-25, in dompany with Sir Grorge Simpson, he set onf to ross the momtans. They followed the Columbia to the Grat Bend, known as "Boat Eurampment;" they aserended by the Athabasea pass to a small hake to whith the name of the "Committees P'und Bowl," was given. On reaching the main noume of the thabasea, they followed the "urvent of that river to lort Assinibome; here they hanged "anoes for horses, and struck sonth-easterly across the eountry for Edamenton. It this post they remaned two weeks, during their stay a grand ball was gem in honop of Governor simpson. The party left by a brigade of boats to thoat down the swift Aaskatchewan. They halted at Fort
 party: further down the river they met Captain lranklin and Dr. Rehardson on their ovedand Aretie expedition. The travellers reachad lake Wimiprg and visited Norway Honse, then a place of considerable bosinse and adivity. At this phate the tradres, on their return from the posts of the rompany, from Lake fuperior on the somb, the liocky Momatans on the west, amd Markenzie River on the noth, ammally collented the frits of their labour, to be dispathed to York latory on Hulan biny. Alter ramaming two wreks at Norway House, Mr. lioss mate the passare of Lakw Wimipeg, and early
 he extablished himself. In late he published a volmme deseribine the carere of the
 serond narative of his adrentures among the Indim tribes west of the liody Mombains.

## 

After the union of the Huksurs bay Company with the North-W


Mr. Mreded antered the serviee of the old Itudson's Bay Company in 1-11, and for the ten rears previonsly to the mion of the two, he was a zealous participant in the romtest with the North-West Company. He was detaled to arompany and assist Lord selkirk's first brigade of colonists from York Fatory to Red liver, and hre established trading posts at a momber ol places in the prario reqion, to int weret the trate of the rival company. Mr. MeLeod, when seleeted by the united eompanies to proceed to the west side of the loeky Mombtans, was stationed at Green Lake, about 200 miles north of Fort
 Athabasea River, and erossed the motutains by the Athahasea pass to the Columbia, and descended the river to its month. In the following years he was engaged at diflerent posts in trade oprations; during this fime he Jelt kamboops, followed the Thompson, and descended the Firaser to the Strait of Georgia. Mr. MeLeod was in the Colmmbia district when it was deedded to ehange the headquarters of the company. lort

George was open to some oljeetions, and anther site was tinally selected on the northern bank of the river, about a hundred miles trom the month. At this point a new eentral post was establishod, in 1825 , on a harge and permanent scate, called in honour of the lamens navigator, for Vanconser. The new headguaters of the company were phed on the northern bank of the river, in order that it might be indisputably on British soil; there was no probability at that date of the international boundary being established tu the north of the Columbia.

In March, 18:6, Mr. MeLeorl left lort Vimeonver to proced eastward. H1. was acompamied by Mr. Edward Ermatinger and Mr. Douglas, the distinguished botanis. The crew ronsistel of sixteen men, two of whom were sambieh Istanders. Their ront. took them to Okanagan and Spokane. They ascended the Columbia to Boat Encamp. meat, the river at the time being tureh obstrinted by ice. The monutains were croseel by the Athabasci pass, then corerel with derp snow, and, with much differulty and some danger, the party reachenl Jaspar Ifousi on May fith. Itere he was detained owing to the conlinement of his wife, which had taken place in February, the lamily having proceded thither the previons October. On horses being sent forward from Elmonton, they contimnd their jonmes, and rablhed that station on May 17th. From Edmonton they embarked in the spring brigade of boals to follow the river sankatchewan and the chain of waters to Hulson bay. They rearhed York Factory in July, having rrossed the continent in three months and twenty days. Mr. Mcleod was in the service of the Hudson's Bay Company whon he died, in 1849, at the age of sixty-one.
(10) Exprdition of Sir Goorge Simpsou, 1828.

The expedition of sir Grorge Simpson, in 182s, is remarkable in every point of view. As resident governor of the Hudson's bay Company he made frequent visits to the territory of Rupert's Land and the Northwest, in order to examine into the condition of the eeveral posts, and superintend the affairs of the company over which he presided. On this onasion he resolved to travel from Indson lhay to the Strait of Georgia.

Leaving York Factory, he asemeded Hayes River, passing through what was known as the boat ronte to Lake Wimnipeg, at the northern , and of which is Norway Ionse.
 to C amberland Honse. From this point he went northward through the chain of hakes and streans until he rached Churehill lifer, which he followed to the height of lane. Nethye lortage. By Charwater liver, he watered the Ahabasca, following its waters to Athabasca Lake and Peace River. He ascended Peare liver, passing through the man Rocky Momatain chain and, with the aid of horses, he crossed the plateat, a distance of righty-three miles, to Fort St. James, on the mast of Sthart Lake. Sir George Simpson Was carefnt on all oreasions to enter the forts he visited with his men, elean and dressed in their best. He rarried with him a piper, who also acted as his servant. In this instance the same cermony was observed; a grun was fired, the bugle sounded, and the piper led the march. There was a meeting to be hetd here of the chief officers, among whom Mr., afterwarls Sir, James Donglas, the first Governor of British Colmbia, was present, and, anid a discharg" of small arms, Mr. Douglas went out to meet Sir George. Mr. Conolly, the chief fiector of the Pacific departenent, was also expected. He had not arrived. Shortly,
howerer, after the arrival of the governor, a canoe appared wh the bike, and in twenty mimutes, amid a salate of firearms, Mr. Connolly entered the fort.

Nir Guorge Simpson left fiudson buy on July $12 t h$; Mr. Commoliy, the Pacifie on July $1=$ th. A singular coincidente, says Chief Fator Arehibald Mobonald, who in: his jommal remords the ineeting.'

Sir George Simpson passed from the lake to Start River and the Fraser, which he desirnded to loot Alexandria. Horses wro taken al this pluce and the conntry erossed to h:ambops, a distance of 215 miles.

At Kanloops, water havigation was renmerl, and the start was made in a camoe with twehre paddles. Alter passing through Lake Kamloops to its outhet, they entered the Low or Thompson, wheh they desenched io its junction with the Fraser. From this point they reached tide water by the same route as that followed by simon Fraser twenty gats carlier. They left Kamloops arly on October 6th, and rearhed Fort Langley, on the fraser, ahont twenty-fire uihs from its month, on the loth, the distance being ght miles.

The whole jommey from York Fablory took ninety days, of which sixtern were passed
 remarkable featac of this joumey was the shot time in whel it was made. Sir (ieorge Was well-known for his rapidity of movernent. Nibry miles a day was no mommon orarrence with him. Thu camoes wonld starl at $\because$ in th" morning, with rests for J.teakfist, dimer and supmer. The men paddud mal a lat hom, which the long days of the northern latitndes permithod, sometimes motil 8 or 10 at night. The areragt divane made was lifty miles a day. In some instaners seremotive, eighty, amd aron
 fide-watre of the Atmatic to the lacilhe It was carime ont without any of the aceesories of modern loromotion, in so short a time that, if the facts were not sustamed hy indise phtable evidenere, the record might be comsidered an exagereration.

Sir George Simpson was a man of great fore of chararter, with much administrative ability. He was indefatigable in the discharge of his duties, and his frame was one capahle of anduring great fatigue.
(11) Trutels of Mi. Darid Donglas: 18:5—1834.

The distinguished botanist and trawellna, Mr. David Donglas, spent a mmber of years in the comntry on the Pacific coast, extending from Oregon northward. In 1824 he started from England by sea, and rearhed Fort Vancouver on the Cohmbia, in April, 182.5. Mr. Douglas is mentioned by Chiel Trader John Mclwod, as a fellow-traveller up tha Colmmbia in $\mathbf{1 8 2 6}$. In that year he rossed the lioky Mommans; reached Hudson bay, where he met sir John Franklin, and returned with him to bineland.

[^5] of North Amerita. Botwern the date of his arrival and $18: 3$, his explomans extemded genere $\because$ throngh the combly dramed by the (olmonia and the Fraser. The two hast


In his travels throngh the combtry he obtaned the knowledge of many plants, hims and mammals hitherto manown ; his diseoweries include tha "Douglas tir," which will always bear his name.
 deplored; ha was gored to death by a wild ball in the sandwich Islands, July 129h, 183 t .

## (12) E.chlorations amd Tratels of Mr. Robert Campbell, 1830-184:).

Among the adventmons men sint out by the Indsons bay Company, to explore the comtry beyond the liocky Momains, Mr. Robert C'amploll takes a prominent plare. The lield of his operations was mainly in the teritory to the north of British Columbia, still only imprliedty known.

Mr. Camphell was born at Glenlyon, in Seotland ; he left home on June 1st, 1830, muder an engegement with the Lndson's lay Company. In landed at Fork lactory, and procerded to lort (ianry. Ile was varionsly employed matil the spring of 1834, when he was transferred to the Mackenzio liver distriet. In 1838 he established a trading post at Dease Lake, one of the soures of the river Liard, an important tributary of Markeman River. On this oceasion he passed over to Ntikeen liver, which flows into the Paeifie near Fort Wrangle, now well known in connection with the "Cassiar "gold fields of British ('olumbia. In 18t0, Comphell travelled up the northern branch of the Liard. Leaving Fort ILalkett on the latter river in May, with seven men he as aded the banch several handred miles into the mountains to a lake whieh he named Lake Francis; and some distance further, to a second lake, in about latitude $62^{\circ} \mathrm{N}$. longitnde $130^{\circ} \mathrm{W} .$, which he called Lake Finlayson. From this point he passed to the western slops, and in two days' travel he discovered a wide stream which he styled the fiver Pelly. In $18+1$ a trading post was established on Jake Francis. In 184:3, Mr. Camplell left Lakr Francis, rarossed the momatain to Pelly River, which he deseended for some distance. This river discovered by him proved to be identical with the Yukon which flows into the Pacife far norih. Three humdred miles from the somees of the Pelly, Fort Selkirk was "stablished, and the river was explored by Campbell 700 miles to Fort Yukon, astablished in 1846 by J. Bell of the IIndson's Bay Company, 150 miles within the Alaska boundary. From Fort lukon, situated almost directly on the Aretic cirele and about $145^{\circ} \mathrm{W}$. longitude, Mr. Camphell ascended the river Poreupine to its eastern sourees, crossed the height of land to Peel River, a small tributary of the Mackenzie, not far from its outlet in the Aretic Oeean. Following the tributary to the main stream, he ascended Mackenzie River to Fort simpson, his starting point at the month of the liard.

In 18.5-n: Mr. Camplell made a remarkable journey from the Ynkon territory to England. He left White River, near the Alaskan boundary, on September 6th, asernded the Pelly to one of its sourees, crossed the momntans to a branch of the Liard, which he followed to Fort Simpon, at which place he arrived on October 21st. Winter having set in, he started on snowshoes to make a journey to Crow Wing, on the Mississippi, extending
 there men and at frian of dogs ; these were damped at the Indson's Bay posts on his route as he arrived at them. Ilis course hay by (ireat slase Lake, Lakn Ahabasea, Ho at la Crosse, Carlon Monse, Fort Polly, lort Garry and l'mbina. On Mareh 1:3th, Mr.
 Chicago he started enstward and arried at Montreal on April the 1st, and sum was his dispatth that be was emabled to report himself in Lombem at the IVmeons Bay Honse on the 18th of that month. From his starting point ont the lally- Yinkom, Mr Canphell had made a continuons joumey ol' 9,700 miles, marly hall of which was throngh an uninhabited widerness, and of this distames some :3,000 mites were passed ofre in the detel of wintor and muth of it walked on showshoes. In the amals of the Itudson's bay ('ompany's service, long wintur jompers muder virenunstances similar to the one deseribed are not memmon. Possibly the long tramp of the intrepid tr. liae in 18.31, and of
 Framklins Senreh expeditions are to some extent eomparable with them.
 Pamitic from the Amencon continmi, is still living, and mijeys wablent health, on his ramb in Manitoba. The is one of the hast represumative of the ervat "xploress of the
 long list of ate ave and undanted men who, from the days of Marknzes, trabersed the momatains, and maknown wilds; it would br dillicult to lind thrif pros in rourage and - ndmance in any servire.

In 1887-88 the field of Mr. ('amplel's diswertes was visum by Dr. (i. M. Dawson, of the Geological Surrey. Dr. Dawson maned the interion from the lamere oast by the river Stiken, passed over to the Liard, and themefor the ledly- Vinkon. Ihereturned by the river Lewis to the hym camal on the cuad. The jouncy proved excedingly fatiguing and not a little perilous. His associates, Dessrs. M. Commell and Ogilvie remancal in the district to carry on astronomical obser rations and field explorations during the following winter and summer.

## (13) Nir George Simpsom's demrney romed the World, 1841.

Sir George Simpson having resulved to travel romb the world, helt Englamel on Mareh 3rd, 1841, and landed at Boston, whence he made ins way to Montreal. His outit was completed at Lachine, the headguarters of the Indson's Bay Company in ('anada. The expedition started from that rillage on th May ; on the 16th of the month the party arrived at Sutult St. Mary. After some detention by ice on Lake Superior, Sir George reached Thunder Bay : and aseonded by the Kaministiqua to the height of land. ILe traversed the chain of lakes and rivers to lake of the Woods, and arrived at lort Alexander, near the month of the river Wimipen on lume sth. On the third day following, Sir George Simpson was at lort (rary, having aremplished the jommery of 2,000 miles in thirty-eight days.

There was an ordinary trail from Fort Garry to bilmonton. It passed from point to point across the prairie, and was used by the Red liver carts for the transportation of merchandise. It was not always in grod condilion, but was easily followed along the
banks of the Assmimen to Fort Eltime thence to Fort Canton, Eort Pitt and Edmon-
 romend battle liver and hed bar River and two bramedes of low Riser. Ascending bey a ributary of the latter, he gained the heifert of land at the Kamaskis pass in about sio $30^{\prime}$ latatur. Desombling a tributary of the Kootenay to the main river of that name, the parly directed its course to Kulisjelm Lake, the soure of Pend d'Oreilte liver which was followed to the Columhia.

At no great distance, sonth of the present boundary lines, the then Hudson's Bay post of Fort Colvilhe was sithated. "Hore then," writus sir George, "torminated a long and lathorions journey of nearly two thonsand miles on horseback, across plains, momtains, rivers and forests. For six wenks and live diys we had bern constantly riding, or at hat as constanty as the strength of our horses wond allow, from early dawn to sumwet, and we had on an arepage, been in the sadde alont eleven hours and a hall' a day. from Red liver to Edmonton, one day's work with another amomed to ahout fifty miles, hut from Ehmontun to 'olvilhe, we more genembly than otherwise fill short of forty."

From Fiont conville, the Cohmbia was denemud by canor. The travellers passed the
 Geores arased to laget sumd, where, onsempember fith he ambarked on board the company - thamer the "Bawer," and pased up the strait of (ienrgit on a tome of in--pertion to the varions haming ports. He procededan har north as Sitka, and rew hed the gharters of the liusian America Company at New Ardanged. He left on September sinth, and remencl to Fond Vancower, whene he trarelled to san Frameisco, Monterey



 This portion of his jumber has menarime umon his pasage arross the American continont, but it is worthy of mention as indicating the "morgy of chatacter and tenaeity of purpow' whith characturized the man.

## Periol II-Prov Obegon Treaty in 1aff tu Confederation in 1867.

The Orom Traty of 10t6, with the United Sitats, and the passage of the Imperial A.t, estallishing the Dominion of Canala, form 'porhs of great importance in the history of the northern half of North Anerica.

The first tor exer settled an international di-pute which had existed for a quarter of a century, and had awakened teedings on loth sides of bitter hostility. It was a turning point in the career of the Ludson's lay Compary ; the commencement of a series of events owing to the inlluence of whith the old regime was to pass away. The second was the granes of a new order of things. It gave birth to Canada as a Dominion, with a national status and with a territory of semi-rontinental magnitade.

The fime whirh intervened between the Oregon Treaty and the extablishment of the Dominion by the British North America Act may be considered as a period of transition. During these twenty-one years we have records of at least eight expeditions from the

Sit lawrence to the western side of the Rowky Momitains. Thene expeditions, and the (bjewts in ricw, no longer partook of the character which dissinguished the explorations and journeys modertaken during the prow ding halfentury. Thu I Ludson's liny Compray

(1) Mi. Premi hineés I'meets, 1stio-1sis.

Mr. P'anl Kme, of Toronto, had studied ant in Enron', and retumed to C'anala with the determination to devote his time amd talents to the completion of a series of pantings illustrative of Indian life and warinter.

Mr. Kane obtained an interving with the governor ol' the Ihedson's Bay Company, Sir George Simpson, who entered eordially into the propet, and gave diredions to ther rompany's ollicers to tarilitate the amist's movemonts in every Way. The sof out from Toronto in May, 1846 , his design b inge, whenever ath opportunity ottered, to make portrats of the principal chinds in their nation dress, and wameteristically to mpresent on canvas the Indian tribes and the scenery of the almost maknown womtry.

Mr. Kane was enabled to travel to the Northwest with abrigate of canoes of the Indson's Bay Company, whish hejoind on Lakrsinperior. About midsmmer he reahed Red River; he passed northerly hy Laki Winnipeg to the saskateluwan, which river he ascended to Edmonton. Early in (etoher he lift bhmonton, passing by way of Fort Assiniboine, on the Athabasea, to Jaspar Honse; thene he crossed the monatains by the Athabasca Pass to Colmmbia River, down which stroun be made a rapith desentat of fifteen days to Fort Vancouver, reaching that plae on December Sth.

Fort Vanconver, on his visit, rmbaned two chiof tactors, tem derks, and two hundred royngenes. The fort was linther entivenud by the presence of the otheers of II.M.s. "Modeste," which had been on the station for two years.

The artist remained at lort Vancouver motil the beginminte of Jamary, when he proceded sonthward some divance up the river Willamette. IT then found his way northward to Puget somel and Yancouver Island. ILre, among various Indian tribes, he spent the summer of $18 t 7$. In the antumn he retumed to the Colmonbia, and by the ascent of that river, the route usually followed, he reached fithonton in berember, meeting with hardships and sullering on the jomrney owing to the lateness of thensenson. The following spring Mr. Kane passed down the Sakat howam. At Cimberland llouse, on June 12th, he met Sir John lichardonn and Dr. lan on their way to Mackenzie Liver in seareh of Sir John Framkin. He reached Toronto early in Ortober, 1848.

A full accont of Mr. Kanes journey and weperienm is ermphially given in a volume published in 1859, "Wanderings of" an Artist among the Lndians of North Amerian, from Camada to Vancouver Island and Oregon." Some of Mr. Kime's pictures are to be seen at the Speakers' residence, in the llonse of' ('ommons, Ottawa; the wreater number of them are in the private collection of semator Allan, Moss Park. Toropan.
(2) Travels of Eiarl of Southesk, 1859-1860.

In the spring of 1859, the Earl of Southerk tucompanied Sir George Simpson by way of St. Paul, Mimesota, to Red River. Ife left Forl Garry in Jume ou an expedition to the
monntains：the robne libloway was the tail to lidmonton．Fiom Edmonton ho proceded
 gaining the height of land，he follow ed the ematarn shepe of the monatains to the somers


 1860．Jrom Font Lan＇y he pased by way ol Minnesota to Now York and took passag for England．In tisis a rolame was published with a narative of Lord Southesk＇s travels and adrentures．

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 to Fort Willian，wher his axamination may be sald to have rommenced．Whe was
 and Lientenant blakiston，Mr．John W．sullivan and M．Bourgean．The rxaminations mate be the expertion extemed trom Lake superior to the Okanagn lakes in British Colmonbia，and from the Prontiar of the lined States northward to the sourees of the －hid rivers which flow to the Aretie bernm．

In the smmer of 1asit．the attention of（＇aphan Palliser was dirended to that portion of the dountry leing between bake superior and the prairies．The ramination was continned up Red River to Pombina，up the Assiniboine to Fort Ellice，and up the Qu＇Appelle to the nhow of the somb saskathewan thence across the cometry to lort Carlon on the North saskathewan．The members of the יxpedition arrived at this place in Getober，and their winter fuarters were establisherl here．From Fort Carlton，（＇uptain Pallisur started lor Fort Garry，the finited States and Canada，to return the following spring．Ir．Hector madn a wintw jonmey from Fort Carton up the North Saskatehewan to Fort lith，Edmomon and locky Monntain House．He also pentrated the first range （）$)^{\prime}$ momutains．

It the commenerment of the summer of 18．s，the varions brame hes of the expedition
 liver distriets．The latter sirean was hellowed to the monntains along the route on which the l＇milis Railway is torday ronstrumed．Thu Vormilion and Kananaskis passes were ＂xamind and the moures of koomay liver rearhed．Hr．Hector returned hy Kieking Horer liver，and exploned in the equeral dimetion of the monntans to the brazan ranee，and from the sompers of the North Saskatehewan he followed the conrse of that river to behmonton．Trans of the wearisome journeys，made by him in this and the follwing gears，are＂voryblere bo be bet be the railway trawher in the names of mountains and rivers botwern Colgary and ihe Columbia．Coptain l＇alliser extended his joumey to the boundary of the Enited states，and returning northerly reached Elmonton in Suptember．Hr．Fector reahed that post in October．

In hanury，185！，Jr．Hertor leli Ehmonton on a journey to the monntains．He made his way by the usmal means of travelling in winter to Jaspar Honse，thence to the Atha－ basca pass．Remming to Edmonton in April，he immediately left for Fort Pitt．Cuptain
















 wapproachable both from onst and west:

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 Angust bibla. 1860, to cross the montains to the mas. His party consisted of four persons besides himself, and ther carried awny with ham oldind in walne of the precions "tal from the Caribeo "diguinge." The lithe paty asemded Fraser liber by "anoe



 on the Mississippi.

So tar, we have had no revord of any parly ur parsan, other than the ullicials and "xplorers of the Intson's Bay Company entering lititish cohmbia by the Fellow It wed or


[^6]fand lraser liver by the sat. The few whe wem overland from the mat, struck away fom the Saskathewan to the sonthward of the intemational bomdary, and cutreat nither by Forl Colvilla and Porthand, or hy Fort Colvillo and Similkamen. In. A. I'. Reid and five others started to lime thin way heg one of these routes. They left Fort
 and Ehmonton; turniug southwarl, they arosed Bow lifer and, by a southery pass, reached Kootenay kisw. They were weak in mumbers and had only an imperset idea
 of food, and reatiod Fort Colville in orat distress on Nowember oth.
$$
\text { (ii) Misiration of "targe purty of Cothutions, } 186.2 .
$$
 British Cohmbia; so that in 1860 , ronsidurable population hed assmbled wilhin the provines, all, or noarly all of whom, was rogaged in mining. The first rush to the gold mines was in 1 s.s; ther rich disooveries made in 1801 on Willian's Creek, camsod a semod inmigration. The exebebent resulting from the bombifnl presence of the prewons metal extombed in all dipetions, so that mun gathered fom erory quarter. In lebe it indmened many adrenturns mature in Ontario to risit the seme of the diseovery, in the hope of bettering thmir forfuns. Dany hundreds went romd by l'anma. I later company was formed to lind its way orerland : it consisted of 193 mem. made ny of detahments from Quenstown, st. Thomas, Imatington, Otfawa, Toronto, London, Monfreal, Huron and afew from dedensbure. They left their homes during the month of April, to rende\%ous at st. Panl, Minnesotia. From st. Pand they proceded, by Burhanks stages, to Red liver, whith they descembed, by the stemmer "Intermational," to Fort Garry.

At Fort Gary they ompled their wemization for the joumey. Their nomber was incwased to two handred by the atdition of sevell bersons from the lad River setthment, among whon wow Mr. and Mss. sthubert and three smatl thildren. The expedtion beft Fort Garry wh . June and; it formed atrain ronsisting of about ninety Red lifer "arts, when draw beg an. Thore were also abont tilty sadde horses with the party. The journey aross the plaths was nenssarty slow, and they only came in sieht of Fort Edmonton on Jnly -2A, having wromplished some !oo miles of their joumby from Fort (iary, withont ant serious hardships having ben chomnterd.

At Fort Ehnonton they exhanged the warts for pack saddlas, and lelt for the mountains on Juty o?th. Theit rontw was the owdinary trail, imperfedy delined, throngh
 to the Sidlow hand pass, where the river Fraser takes its rise; following whith they reachad Temedanneranh on dugns anth. Hew thow wonstituting the party wew mable wdecide as to the poute they slomld follow. It was finally nerved to divide into two partits, "ach division to ant independently of the other and lollow the dimetion it might sel+w. Both of them loft Tebe-Janne Cathe on the satne day, feptember and. The harger nmmber mate rafts by which they descended the Fraser, whidh at this point flaws noth-westerly. Those who trnsted to the river had mmy mishaps and undorwent sullerime, but they arrived at the mouth of the quesmel on September 1 fth. They lost
ck away [iltorel (1)r. A. l . belt Fort Fort lin r't pass. Wet ideal liell short
thene men by drowning, Rohotson, Curputer and Lemder ; athother died, a yomer Finglishman named latterson, who shwmbed to "xposime, and was buriod at loot George.

The second division of the party, about sixty in mumber, andeavonted to cross the momtains in a westerly dirertion to Cariboo, but they ware dolerred by the immense labour experionced in forcing a passige arross the mountains and the difliculty of pemetrating through the hary timber in the vallogs. They thrned in a southerly divetion, and sumeded in reaching the North Thompson. They here ronstructed targ, gatls to deseend the stram. They killed some of their horses, and "fagged" the meat, "uthing it in strips and drying it. The remainder of the homses, abont forty or fifty, they abandonad, and putting all their elleme on the ralls, they proweded to desemd the swift
 the lifteremilu canyon of the Thompon, the leading raft was engulfed in the porrent belore those navigating it wore aware of the danger ; and two men were draw withan the rapids and drowned. The ratis whith followed areided the late of that before them: by ervat atrort those on hoard reached the shore in saliety, and, with habour and diflenty, lored their way up the precipitons banks. They managed to clamber adones the elills to the lower and of the a alyon. where they formed aseond sut wh rats and proeneted to shom the lower rapids; thery arrivel montudly in great distres at kambops on (ectober thth. On the following morning, Mrs, stombery when arompaniod this hranch of the "xpedition, gave birth to a danghtre. Tha two mell drowned in the Thompen were Wim. Strachan, of Londom, Ontario, and Frmak Pemwarden, of st. Thomas,

Of the 193 who lelt Ontario in twie. the survivors now resident in lititish Cohmhia, as liar as known, arr.J. A. Mara, Mr, and Mrs. S'hubit, A. Ma'Naghon, John Bowron,


 at Vichoria The fom last mamed, with Mr, and Mrs. shonbert, woe down by the Thompson. The writer is chidyy indelbed or information to Mr. Fimmin.

There is a record of a third party which, late in the sumam of Rag, arrived at the Fdlow lhead Pass. It ronsisted of three brothers named hemnie and two men named Helstone and Wright. They obtained banoes form the Slaswap Indians to deseend the Fraser. The rimoes being found botion upwards with the eflects of the men strewn along the banks, fed to the baid that they had bern drewned. The terrible fate of the of the men beeme aforwards known. Th the dsedot of the river the men had lashed the ramoes fogether for salety, but they were swamped in at rapd; two of the lemmies gated the shore, the other there men sucecoded in reaching a rock. An attempt was wade during two days to resene them. Finally they wro hauled ashore, prostrate with fatigue and hanger, and from the frost whinh prevaled at hight, they were so frosthiten as to be mable to proced. 'Ra two who retained their strength, cht a large quantity of fire
 wre to remain behind, they sharted to ohtain help at Fort George, which they imagined tu be nearer than was the case. It was not until the twenty- ighth day that they arrived at the fort, lrost-hitten, halfdead with hanere and fatigne. Some Indians were at one

[^7]Wemathed to resen she mhapy men hoft bohind. They retumed in a lew day, (xplaming that, wring the depth of the show, they were mable to proced. The

"Other ladians, hewerer, disowert the party some time alterwards. Helstone and Wrioht wore still aliee, bat, udadened by hunger, had killed Rennie. When they werm fome they had catron all but hiv lage. whith they hed in their hands at the time. They were wormd with blood, being raterged in thating the raw flesh from the bones with their temb. The Indian attemped to light a fire for them, when the two eanibals drew their revelreps and looked so wild and savage that the Indians Hed and heft them to their late, not daring to retum. The following sprine a party of miners, on their way to Peare River, were ghted hy Imdians to the phare wher these men wore wed by them. The bomes of two wor found pilad in a heap, one seull had been split open by an ase and many of the other bons showed the marks of teeth. The third was missing, but wats atherweds disoored a few houdred yads from the emp. The skill had bom dowen hy an axe and the clothes stripped from the body, which was litthe deromperd. The inteppetation of these sighs rould hatily be mistaken. The lasi
 so cardilly piled in at hap. H1, had in turn probably bern murdered by Indians. for the

(i) Tramts of Lore Millom and Di. Chealle, 1s60-18133.

No lanilio expmbition has attraterl gratur attemion than that of hord Milton and

 made their way, withont less of time to lid diver. but not withont some of the umpleas-
 barrowly "sapod bing involved in the massame by the sioux, of the setthes in Minne sota, throurh which state they passed ; and in therir "anow voguge down Red River they hand to modergos serions privation and insur danger.

They laft hed liver to proced to Edmontom, hat the erasom being lath, they derided

 fout tho 'amadian party. tho preoding year, having travolled by it, they determind to tiollow the trat which so large a party most have bell the iraces.

They stated from Bdmonton on Jum 8th, lses. They had with them an Indian, known in the narrative as "the lssinthoine"; be was arompanind by hiv wite and theirsom, a boy of thirtern. The Assimibume had bat onn hand ; meverheless he was an


 the Camakian party. Hu wors a Cimbridge math, with a good knowledge of chassas, bat the mosi shiftese and usplese of homan beings. No on comld hate been more out of his chement, on steh a journey. Menlion of him thew doubt upon the namative, but the
day:s, Thw



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writer of this papre, from information ohtamed at bimomon and hritish Cobumbia in






 ligene of the Assimiboine invariably regained it.











 beside him.' The sight amm nom themall as a paintil wamine wh what might be thatio












 to visit the Cariboo gohledigemes.

 l'assage by lamd," whice han passed through sempal "ditions.

[^8]（8）Jominey of Dr．Johu＂Rae，1864．

 rast he found his way forit（iarry，ariving there on Tune 16th， 1 stat，and leaving on
 the river Mr．Aem，whener he passd to the Athabasea．Following the ronte taken by




Dr．Rate rembed to prowed without the Indians．Jor sumended in purchasing two small dug－oul wathes trom the showsils a liw of whon he met at this place，and

 rapin at which thare are thon portage of considerable langth．It was known that disasior hat aramed an this part of the river，hat all the members of the party were



 arrival wasel asomishamen th the whef trater，Mr．Charles；for it had been thought that， owing to the intricate and dangerons navisation，no stranger unacrompanied by atuide eonld sumesslinlls make the desent．

On Cupember sod，br．Lian left Fort Georen，haking with him an Indian guidn and one white man．They mad the hesent to Quesuel，nearly a hundred miles，in
 distane of thirty－fire miles，in hese than fixe hours．From Alexandria，he followed the
 horses，and rode io Jale，where he took the stemer to New Westminster．

##  にいいWA゙ ix 18から．

An important whage in the ammals of Canada berins with the British North America A．t．By the Imperial stathte，the screral British Provinces bastward of Lake Superior Were mited of form one condideration，and at the same time provision was made for the orrpation of the Northwest Trutiory and the entrance of Britisl Columbia into the fominion The mion of iher lacili proviber with the provinces in the eastern part of the vantiment，mestontated the essablixhmem of a line of rommunation hetween them，and the cmstruction of the C＇madian l＇acife Railway was the consequence．The aet of union passed the Imperial Parliannent and ramo into fores in 1867；British Columbia entoral thu Confedration in l×i．Whtwon these dates the Government of Canada purehased the Lerritorial riphts of the Huk－on＇s Bay Company．In consequence of the policy adopted to farry out the conditions of the union，there has bem a succession of expeditions to the
new mowince on the lacitis. Within a priod of fometen years from the entrante of linitish Colmulio into the lominion, we have a reorl of "ightem orerland journeys, most of which were undertaken in conmetion with the cetablishment of the national railway.

## (1) Sir Mectur Langerin's risil "1 British Culmubia, 1~in.

 striclly "ome within the list of Camadian operand (xpatitions, inasmurh as it was made by railway through the Vhited states to san Francian, thenw by stombout to Victoria. It is chiefly rmarkable as the fist jonmey nomberaken by a Camadam minister (o) the mewly acquired western provine of the hominion. In the sumare of 1871 the Minister of Public Works, visited the l'ailis const on hehall of the Gormoment,
 in relation to the lacific Railway and in western temimes, llis duty was to enguire into the requirements of the westerm provinee, and personally to aseertian what public
 minster, and extemenl his obserations hy promeding to Yale, Lytom, Cariboo and other localities in the interior of the eomatry. It also madr an wamintion of Bule Inlet, Burrard Inlet, Batelay Somd, Namamo, and other points on the "oast. Sir Hevtor Langevin on his return to Ottawa, issume a molune contaning an acount of his journey and obserservations, in which was included much valuable statistical intormation.

## (2) Eirpedition of Mr. Sundford Lleming, 1572.

Early in 1871 the writur of this paper was apointed engeineer-in-chicf of the Canadian Paeific Railway. At that time but limited knowledere had been obtained of the immense extent of territory to be explored ; and the opinions, whish were current regarding it, were not in favor of the possibility of construt ting a railway. I: 1863 the Home Govermment presented to larliament "the joumals, detailed mports, and oberrvations rela'ive to the explorations ly Cuptan Palliver of that portion of British Sorth America which lies between Lakensurerior and the Pacific Owam, during the years 1857, '58, '59 and ' 60 ." In these documents the opinion had been strongly expressed that the inpediments to railway constraction were insuperable.'

On Jimmary 2th, 1sit, the Legislativn Council of British Cohmubia manimonsly passed an address to the Qunen, prayine Hor Majesty to admit British Columbia into the Dominion of Canada upon the terms previously arranged. One of the essential conditions was the establishment of a railway "to comect the seathard of

[^9]British Cohmbat with the railway syatem of Canada." The Canadian Govermment arordingly comsided it adwable that the whol distane should be carefully "xhlored,
 The "xamination was rommentel in the summer of 157 t and was contimed during the bollowing winter. A larwe mular of survering parties were digaged between the valley of the htawa and the labile wast, and in 1 ate it beame neressary to undertake a general remomaisate and tome of inspection arross the eontinent.
l'revions to starting on the exfedition, the writer, as chicf enginer of the latermonial halway, then mader ematruction, had to make an examination of that line; this duty meensitated hiv premare in Nowa scotia. Aceordingly his western jomrney commenced at Halifas.

Grat inturest heing fith with reward to the survers, it was considered advisable th make known to the public as far as was axpedian, the infermation obtained, so that the problem which the Dominim had muldaken io sotre could be the better understond.
 - ipat Giant, of Qumis ('ohlegw, Kingston), thatempany the expedition as secretary, with the wi w of peblinhene andrative of the fourney

Laving laaliax on July lat, 18te, the party arrived at Thunder Bay, Lake Superior, on Inly gend, and Fort Garry, on July 31st, The plains were crossed to Edenomon, which phace was rached on August ith. At Edmonton a detarlament consisting of

 Head Pass to Tetr-Jame Cawhe and pased southerly by way of the North Thompson to Kambops, where they arrived onseptember -sth. From Kamloops they followed the government road to Fale, the head of narigation, and ber stemboat reached New Westmill|r.

Altur cros-ine the montans hey the Pean liver pass, Mr. Macon passed down the Fraser to its mouth. Mr. Hownty fomm his way to the river Noena, and arrived at Port Simpon, on Jamery ernd his.

The writer extonded his "xamination to varions points in British Columbia, and
 Padife Railway heport abomitted to Rathment. A narrative of the joumey by Dr. Gram 'was publinhod the folluwing year.

## (3) Experlition of Atjumant-firnural P. Robertsom Ross, 18 i 2.

 fin the Northwest Tarritory. Di- romb was heronto, Collingwool, and the lakes to lion Arthur. Foblowing the ohd anme route to bake of the Woods, he reacherl the
 E:llier, Carton. Vietoria to Ehmomon and Rocky Momtain Honse. From this point hu pasoch remthward to the bladefent comery and crossed the Rocky Mountans by the North Kontenay lass. In his naralive, published in the Militia Report for 1872, he gives

[^10]ammal plorind, work. duriu! MWent under-

## (5) Eirpedition of the Bonulariy Commissom, 1872-1874.

The boundary between Livitis North Amerim and the United States, as deseribed in the Treaties of 1818 and 1846 , had becth in previons years derined and traced "rom the Atlantic westward to laker of the Woods, and from the lacilie eastward to the erest of the Rocky Momatains. There remaineif to be marked out the intervening distance. In 1872 the British and Linited States Gormments apponted a joint commission to trate the line from Lake of the Woods to the summit of the momatains. The british conmissioner was Major-(tineral, then Major, 1). R. (ameron, 1. A. Mr. Arehibald Campbell acted in that capacity for the United states. A stall of sefentific ollicers of both nations with mounted escorts wren detailed for the service.

The field operations were begm at Lake of the Woods in the antumn of 187: and prosented to completion during the two following yars. A topographical survey was made of the belts of comery five miles wide on cach side of the line. Iron monnmenis were planted from longitude $96^{2}$ to ! $9 \rho^{\circ}$ at intervals of a mile; west of the latter point the line was marked by stone pyramids or otherwise at approximate intervals of three

[^11]miles, to the summit of the looky Momtans, where the line joined that which had bern "stablished fom the lacifie eoast by a similar commission thirben years earlier.

The boundary line for the greater part of the distance passed through open gromed ; where forest land was meomered the trees were cut down and a contimuns open passigw formed. Dr. G. M. Dawson arompaniod the expedition as grologist and maturalist. On the eompletion of the lield work, at the cand ol 1874, her reported the results obtaineel. The pablished vohme consists of $8: 4$ printed pages, rephete with information resperting the resources of the entire distance surveyed.

The overland exploration of Messers Jarvis and Hamington is worthy of recorl. They had been engaged in 1ait on a section of the surver of the Canadian lacilic Railway in British Columbia. It being derned advisable to gain information resperting the smoky Liver pass, Mr. E. W. Jarris was selected for the duty, and at the beginning of winter he rewived instractions to begin exploration. On December !nh, 187t, with his assistant Mr. Hamington, he left Quesnel on the Fraser for Fort George, to complete his arrangements and obtain an outfit. So som as the iow was frozen on the rivers, the party, consisting of eight men and six dog trains, started on the hazardous joumey arross the momians. They left the braser above the (iseome portage, following the North Branch watil it terminated in a cul de sac. They returned to ascend a siemond branch and finally reached the continental "divide" on Felmary 2 oth. After leaving the summit, the dogs became unserviceable from fronbites and exhanstion, so that mach man was compelled to carry on his bark a share of the neressary supplies, leaving behind everything not absolately required. They were also placed on short rations. The parly urossed an extrmely broken montainons region intersected by tributaries of the smoky and Athabasia Rivers. The show was derp, the temperature low and the wather musnally stormy in the "levated reqion they passecl over. They were on the verge of starvation and every member of the party suffered greatly from fatigue and "xposure. Nevertheless they succeded eventually in reaching Jaspar Honse on Mareh ith to find it mocrupied. They, howerer, in their exhansted condition were fortmate in meeting in the neighbowhood it !and of Hudians who supplind them with some provisions-all they could spare from their meagre store. The weary travellers continned their journey eastward over 200 miles to st. Anne, which they reached in twelve days. Here they found rest and food muder the hopitable roof of a Hudson's bay Company's establishment. From St. Aume they drove to Edmonton, thence to Fort litt and Carlon and arrived at Wimipeg on May 21st.

The journey from Fort George to Wimipeg oe upied 116 days, the distance being 1887 milne, of which: 32 miles wew traversed on snow-shows. The temperature wats at times excerdingly low. lor twenty consecntive days in Janury the thermometer averaged 37 degrees bolow zero. Mr. Jarvis' narrative of the joumey is included in the Canadian Pacific Railway Report ot 1877. Mr. Lamington's diary is given in the report of Canadian Archires for $18 \times 7$ (pp, cx, exxxii)

In July, 1875, Major-(inmeral Nir S.lly Smyth, "ommandine thu militia, made an ollicial trip through the Northwest Tirritory. On the Ind of the month ho left Sarnia by stemonont for Dulnth, Lake Superior, and proceded to Fort Garry by Moorhead and Rad hiver. Ho travelled on whenls to Shoal Lake, where he was met by a division of the Momed Police, under the "seort of which he went to Swan liver and to Carltom. The party linlowed the trail to Fort l'itt, Victoria and Ednonton, thence to battle liver and hed ber liver. At bow hiver (inmral Nomyth hat a conference with the Blackleet Indians. Ho passed to Fort Mrdoon and Old Man's River, at trimary of Bow River. When in this locality, he "rossell the fromtier to pay his resperts to the gemeral offieer of the United States commanding in Montana, who was stationed at Fort Nhaw. Returning to Fort MeLeod he proceded westward throngh the lootenay pass to "Juseph Prairie," where, parting from the Mounted lobies, he frawelled southward to Walla Walla. Lu was here met by General lloward of the United States army, hospitably entertained, amb nowerd for everal days down the valley of the Columbia. His jomrry was continued to the wity of Porland. and through Wishington Territory to

(8) Travels of the Marunis of Dufferin, 1-76-157.

On July 31st, 187t, the Marquis of Buflerin and Ava, then Gormor-Cumeral of Ganala, asompanied by the Marehioness, preweded by the Central Pacilic Railway to san Franeseo. They were there mot by IIM.s. "Amethyst," and steaned to Victoria. Lord Dufferin was everywhererended with the respert due to his sharater and station. He visited Nanaimo, and alter inspeting the roal mines, trawelled northward to bute Inlet, Skerna River, Queen Charlote Isliands, and arrived at Port Simpsom. He returned sonth to Burrard Inlet. On sipumber tith he started up the strem of the Fraser; he reached Yale, and tontinuad his journey to Kamloops. Returning to New Westminster, he again erossed the Sirait of Gourgiat to Victoria, and performed the ceremony of driving the first pile of the Lispuimalt graving dock. Lord thaterin left by the "Amethyst" tor Sim Franciseo and returnen to Otawa.'

The following year Lori bulferin proceeded, by the way of st. I'aul, to Wimipeg, where he redeived addresses, and where festivities wer interchanged. On September $29 t h$ he addressed a large assimbly at the banquet given him. During his stay in Manitoba, Lord Dnfferin went as far as the Demonite settlement on Rat River. He also visited the Jeela nelie settlement, and promedod up Lake Wimniperg in the steamer "Colville" to the moath of the river sakatehewan.

[^12]
Mr. Mareus smith, rosed the rontinent in $1 \times 7 \mathrm{~F}$, on a tonr of insperion of the
 explorations in british Columbia, but ou wath of his formor expeditions he travelled by san Francisco and the Union Pacile Railway. On this ormsion he left Othwa on May etth, passed hy the lakes to l'ort Arlhur, thenere by stomboat and ralway, by St. lanl, to Winniperg. On Jnly oul he sarted from Winnipeg to eross the plains, by way of Fort Elliow. On the ebth heremed fort Carleton; making a detour to hae la libhe, herrived at Bdmonton on August 13th. Mr. Smith with his party followed the racently improverl trail to daspar Honse nud Vellow Heal pass, which point he rathed on september Th. Two days later he writes at Tete-Jame-Carhe, "Just as wo wore arriving, a man, IV. loxburgh, vane rmming wildy towards us; he had been narly two gents in (harge of that depot all alone, seldom having seen a human being, even an Indian, during that time. H, had read all the books in his possession over and over again; hand waght lish till he hated the sight ol one; had triod gold-mining with a litthe showess; had shot bears, one of which he only lamed and seeng it rawling aromed the depot, he took pity on it and led it; it came regularly, and at last grew so tame that it becane his only friend and companion." Mr. smith contimed his jonrmey sonthwad, by the rivers Albeda and North Thompson, to Kanloops. From this station he followed the ordinary route to Yale, whem he arrived on September $\Omega 3$ rel, the lourth month from the day he left Ottawa. lirom Yale he took the steamer for New Westminster, and returnd home by way of san Frameise and the Union Pacifur Railway.
(10) Expeditions in comuction with the Geological Survey, 1871-1879.

Since British Colambia became part of the Dominion no year has passed without exploratious being earred on in the Pacife l'rovince by the otheers of the Geologieal survey. The chief director, Dr. Selwy, has frequently made examinations in the torritory and has rossed and re-crossed the locky Mountains. In 1871, having reached Victoria by way of Chicago anm San Francisco, he left in July for the manland. He followed. the valley of the Fraser to Lytton, passed on to Kamloops, and by the North Thompson and the Albreda travelled to Tête-Jame-Cache. Hי reached Yellow LIead pass on October 21st. Returning by the same route he arrived at Victoria on November 29th, and Montreal on December 2bth. For the four years 1871 to 1874 Mr. Richardson was engitged in the geologianl examination of Vanconver and Quern Charlote Islands. In 1873 Dr. Fillwy rossed the plains from Red River to the Rocky Monntains mad returned by the North Saskatchewan. In 1s73 lor. Bell examined the country between lond River and the South saskatchewan, and in 18 it the district between Lakes Manitoba and Winnipegoosis.

In $1 \times 75 \mathrm{Dr}$. Selwyn made an extended exploration of that part of the conntry formerly known as New Caledonia. He followed the trail to Fort Fraser on Stuart Lake, thence he proceeded across to Fort MeLeod near the sourer of Peace River. On July 3rd he left Fort Meleod and descended Peace River. On July 11th, after passing the mouth of Finlay River, Dr. solwyn ascended a nountain 4,590 leet above his camp, and 6,220 above the






 pertage and alone the erdinary route of the lludon's bay Company to carloten, and


 "xamation east of the lower part of the river Franer. The following yar he made ex. plomans in the basin of the Blankwatr, Salmon. Nowhen hirers and framens Lake. The same siman Mr. Richardan continued the examination of the coal liohls of Namam, and Conox.




 from Port Simpson, on the Paritiv, through northern British Cohmehia and the Peare Riser comutry to blmonton. From Edmonton, cresing the phains to Wiminag, he reathed Ottawal.
 the most respecthal medition. The collume whid hate ammally appeared relate in detail the results of the seraral explomions, and linly wablish the value of the exami-
 making known the comomic mathrials whin an fonm in the mertory.

## (11) Travels of the Mariquis of Lorne and lin Prinuess Lowise, 18*1-1482.


 hailway between lake suprior and Wimipeg was then under construction, and the rails were laid from both end, laring an innerronge gap at that dab of about seventy miles. Lord Lorne reached for Athur by stamer, passal ofer the railway some 230 miles by a construction train to the end of the tradk. Fimm this spot the jurney was chicfly by cano through a series of lakes and water hamels muth he read hed the completed railway, by which he travelled to Wimipeg.

From Wimipeg, Lord Lorme tratelled westward 115 miles by rail to a point where other means of locomotion became neeessary. Hure he was met by an "seort of the Mounted Police under Major Crozier, and thus attended in his firther jonrney, he proceded over the phains on horselack to the North Saskatchewan, thence to Red Deer district, Calgary and Bow Riser. Lord Lorne arossid the frontier east of the mountains, and passed into the United States as far as Fort Shaw in Montana. He
renhed this point in Sphember, and roturning eastward through Dateota, he revisited Winnipeg on his way to Otawa, where her artivel alter ant extemded journey of serom Werks in the Northwest, most of the time buing at night under ranvas.
 Colmmbia. Word lorm and Her loyal Ihehmess travelled by Ningara und Chiago to
 for Vietoria, where they landed on the 20th. Afur a week of eremonial observanees, Lord Larne amd the Princes left for Now Westminster on the egh, Drimerss Louse
 promeded by the wd Caribon road to Kinmope in the inturior, retarning by the samb route.
(In Uefoher th, the Vier-regal party rembarked on the "Comus" for San Franeiseo. White on the liwithe coast thy visited St. Barbara amd St. Angelo; alter which they roturned to Otiawit.

## (12) Sicomed dourney of Mi. Sundforl Fleming; 18s:3.

 ation of the route, which hits sine been lowated through the Rorky Momitains, lor the
 timu in England, he crossed the Athantic and on his arrival at Halifix proceded to Lake Superior. At this date the ralway was eompletw from hake Superior as far west as Calgary; eonsefuenty only a few days were reguired to arrive at the base of the monntains. When at Wimigeg the writer had the grod fortume to meet his old travelhing fompanion, Primipal Grant, whom he had insited to acompany him. At Calgary, horses were obtained to ross the mountains as lan as any trail cond be fomd. The party followed bow liber to the continental "divide" where the waters llow eastward and Westward to the Atlantie and the Pacitic. They descended by Kieking Horse valley to the Cohmbia, and alter Collowing that river lor about thity miles, ascended the Selkirk range of momatains by the valley of bearer River and descended on the westorn slope by the valley of the Jllocellewat to the serond crossing of the Columbia. The jonrney was continued acros the Daghe pass to the Sheswap lakes. In many portions of the ronte the trail was dillionlt to follow, until finally, in the selkirks, all restige of a trail eqased. The horses were consequently mable to be taken further, and the party was rompelled th go onwards withont them. Like other travellers, similarly situated, those who made this foumey experisenced dillindty and anxiety; they however sucered in raching Kimmoops amp proceded in the usual way to New Westminster. It is worthy of note that this was the lirst comeched expedition through the mountans, in fact the first continuons journey on the actual ronte of the ralway as established from Late superior to the Parifer roast. Dr. Grant wrote several papers in the Toronto "Week' describing it. The writer's experione was cmbodied in a volume published the your tolluwing. ${ }^{1}$





 oprning of the lakes and rivers. Ond duly ? ont that yar the admission of the weatern prosince into thr Camadian bominion was mbsmmmated on that day the dirst detarlement of engineers left Votoria, Vamontry latand, tw con mence exphorations between the const and the Rovky Monntains. The vat frritory intormening lowteren the valley


 lame region to the east, mad it breame beresary to waplowe long stretehes of trablions and manhabited herritory, porions ol which so fat as we hase any potord to show, had merer bern pedmeded by civilizal man.
lhatige the season of $\begin{aligned} & \text { at } \\ & \text { twelty }\end{aligned}$
 intermped during the winter, atheneh as far as pationbe the work of exploration was (arrial on both in winter and summer. It would not bre fossiber within the limits ot this paper to give ofen a faint outline of the dedait of these yours of labour. Theresults arre fully embodied in the sivpral rolumes of "hgimeres' sports annally submitted to Parliament. As a rule the work of earh party in the died was rondined to a particular district and ramp partook of the charater" of a "throush" expedition. The engineering corps engaged in the momatan wemion nenally made their way to British Colmbia by railway to Ám Franeiseo and thence by stamer, roturning to Oltawa by the samb rome sone individnal members of the surice who passed aforland through the hominion have




 Weres they reached the forks of the skema. Laving the river, they erossed to Babine Lake, which they folloved to its somhern end, and thence passed over to Fort St. Sames, on Stewat Lake, whem they arrived on Jnly sth. Thence by land they followed the trail to Fort MeLeod on the larsnij, a tribatary of Pane liver. At Fort Marem, the party was divided. Dr. Dawson premeded across the mombans by lime River pass, while the main party descended the l'asmip and lewe liarers. Explorations wore rontinted on the two rontes mat the end of Aumest, when the fwo divinions of the party rejoined at funvegam, on Peace liver east of the mountans. In September they again divided. Mr. Cambie recrossed the momtains by Pine liver Pass, and reached the Pacilie coast by way of the valley of the Fraser. The remaining mombers of the expedition followed ditlerent rontes to Edmonton, and thence across the prairios to Wimipeg. All arrived at Ottawa at the end of the season. Reports from the several
mombers of this expediton are linly given in the l'wili Railway Engineer limpor fiom 18:0).

 some of the havist and mont dilliont seretions of the line, had been assured. hather year it berme the policy of larliam nt to tatabe the whote work to private enterprise.



The matway, as ronstructed thentry a portion of the mombain region, bollows a ditherent ronte io that previoly aloped by the Gosmment. As the diretors of the

 bahour and determination wphend the selkirk Romer, and found the pass through whith the malway has been comerneted.

## (14). Journey of Mi. W. C. Vin Horne, $1 \times 81$.





 of her fian to kimbloops; on the lith they took their departure for Shuswap Lake and


 that raw to Kikker Hore liver, she vally of whish they lollowed to the summit, betwon the Fagle pras and tho sutten of kitking Howe River, the fourney was made



 twonty days atto havine Victoria.

As Wr. Van Hornor pary entereal from the mountains, Mr. Collingwow Sehwiber,







by rail and steanboat to Victorin, British Columbia. Crossing the Simat of Georgia to New Westminster, they assended the Fraser to Yake, and proweding along the line of railway, examiuing the works moder constration, they reabed Laghe pass. Thence crossing the Selkirk and Rocky Momotains mames on the rouke already dess ribed as followed by Mr. Vam Lorne the previons month, Mr. Scheibury rearhed the end of the track at the "divide" between the Kinking Horse hiver and Bow hiver valleys; Gntinuing his journey eatward by railus, he returmed to Ottawa on september enth.
(14) Visit of the Brizish Associmtion to the Roch:y Mountans, 1-5t.

In August, 1884, the mecting of he liribish Insomiation washeld in Montreal ; on the termination of the sessim the majority of the members who hat erossed the Athantic
 ladies, ampted an invitation to extand the ir thur to the lowky Mountans.

They lelt Toronto on september bith, and by stemboat passed through lakes Haron and superion to lort Arthur, wher they tow the train for the wow. The rails were then lad a few miles wer the hocky Montain summit, on the travellers proeded to the end of the track and remand some for hours in the meimhmorhood. They antually passed the priond of their hat in British columbin-the crest of the Rooky Mountains being the eastern boundary of that provina.

On their return they arrived at Rowina sumday the 1th. Bivine worship was held on this day, the Bishop of Ontarinamb he Ber. Harry dones, a member of the British Association from England, offecting. The visitors romained some hours at didichen, where they had an opporimity of meating a large number of Blackleet ladians. They also madr a halt at Wimipeg, where a rewpion was wiven them at fovermment Honse. They arrived at Toronto on septumber thil. alter an absence of thitern days. expressing great satisfaction with the trip. Tlue party indudel at number of distinguished men. Among them was Dr. Cheade, whomust haverontrasted the ease and confort with which the journey had been made, with his painful experinnee in crossing the montains with Lord Milton twenty-one years earlier.

## (17) Jourury of Sir Charles Tupurer, 188.5.

Sir Charles Tupper, High Commissiomer in Lombon, arrived in Canada on Augnat Th, 1885. After remaining thew works in the matern provinwes, he left by the Northern
 Lis party consisted of Mr. Collingwoul Sheriber, Mr. Ntwart Tupper, the late Mr. Andrew Roberison, of Montreal, and Mr. Townshend, M.I. After visiting Namamo, they erossed to New Wextminster and Yald. On Oedther 3 ad they lefi Yale by the rernatly construted railway and by train wathed the end of the track in the Eaghe pass wher there remained a grap of fortyserom miles unfinisied. l'roweding over the gap on horseback, they met, on September th, Lord Lansdowne passing in! the opposite dirertion. On gaining the track laid from the eastward, they took the triin for Wimipug, and by wny of Chicago reached Oltawa on Octoler $20 t h$.

$$
\text { Soct. II, 1859. } 18 .
$$

(1s) , Iourney of the Marquis af Latisdowne, 1885.



 woded to the mines at lalhbrider. From Lethbridge he travelled on horseback for fiort Mchad, amd thener to ('nleary, wher he rejoind the main line of railway. From Calgatry, Lod Lansdown passud by train to the יnd of the track then at a point in the sulkirls, "ighteen miles ean of the second rossing of the Cohmbia. At this point
 taken to ride orer this sertion, on the last stage of whith he met, as previonsly stated, the barty of Sir Charlos Tupper macelling vastwart. Whom the railway track from the west was rablad, lord Lansdownemd him party took the train and followed it to the thon trminns. l'or Mooly, on Burand Inlet. C'rossing the Strait of Georeria to Vietoria on Otober dha, he was received with mery mark of resped, ame in his address at the bancur given him, ha remarked that mat the present weasion no otherg gevernergenemb had been able to make the formey entirely throneh ('andian toriory. Romaining somu few days at Vaboria, the party visited the coal mines at Namamo; they left on the 1 Wh lon Sew Wiaminster. The finlowing day the tork the train at Port Hammond, and remanded ofre a short time at Yale, Latton, brymek, and other points. The party ranherl the emel of the trask on the morning of the toth. They here again resumed the saddle, but in the ilterval wh the thirtern days silme they passed westward, the gelp had henn redned to twontyotigh miles; this distane was acomplished in one day. The tran tonk bhe party to Wimipex, whow His Exeelleney was received by the




 ratway dontu had been bollowed in both direntons arross the mountains on the same overband journ'y
(19) f̈̈rst throush train lıy thre ('inmuliun Pacific Rinilıray, 1885.


 heronld timd any aromat. Thu inportant "porh is now reached when the necessity


It has beanstaterl that when lord hansiowne passed through the mountains on his way homewards, here remained twontyerght mibes of rat track to be laid, to complate the Fonmation through the mommtains. Nine days later, on October 26th, the Governor-(-anemi arrived at Oitnwa.

privale "ar, the "Saskatchawam," was attarhen with the design of procerdine to lort
 car, "ontained soven pervons: live cane the whole way from Montreal, onn of them joined at Ottawa, and one on their way io lort Arthur. A delay of two days took phace at Wimiperg ; finally the party latt Wimiper on Monday, November 2nd, 188.5. The train buyond Calgary became "Aperial;" it rathed the western crosing of the columbain lifty-six hours atter leaving Wimiperg. The gap, howner, was not dowed; the work havine been redarded by inensint rains, wo the train sond mot prowed further. Early on the morning of the ith the jumetion was verging to complation, and at : a dork the last mil was laid in its phace. All that remainul th limish the work was to drise home rine spik".

By common consent, the duty of prertominte the tak was assigned to one of the four diredors present-the senior in years ame intluence, whow high whacter placed him in prominence-Sir Dontad Alexamdor Smith. No ome coutd on such an oceasion more worthily represent the company or more appremiandy wive the lini hing blows when, in a material sense, wre to compldo the gixantio madriaking.

Sir Donald smith braced himself to the task, and he widderl the by momens light spike hammer with as good a will as the potiosiomal irack-layw. The work was carried (in in silence. Nothing was heard but the reverbatame of the blows atruk by him. It was no ordinary ocasion ; the sterne was in wery perpeet notworthe from the gromps which eomposed it and the cireunstaneen whirh had brought together so many human beings in this spot in the hart ol the mountains, until resently in untracked solitnde. Most of the engineres with humdreds of workmen of all mationalities who had berd
 ly what was taking place. The andal ligure in the gronp was something more than the representative of the railway company which had achesed the trimph he was

 contemponfies who first penetrated the surrounding iorritory. From his youth he had been eomeeded with the company, whith for so long had carriod on its operations suceesshully from Labrador to the l'a fific and from colifornia to Alaska. To-day he was the chas representative of that vat organization which, luffore the . .lose of the hasi whtury, had sent out pioneres to map out and ownpy the unknowe wilderness, and which as a trading assoctation is in the third century of its existenes.

All present were more or less attieted by a formality which was the crowning effort of years of labour, intrmingled with donbts and fiars, and of old-renewod energy to orercome what at times apparel menmonntabhe ohstarles. Moreover, was it not the triumphal termination of mumberles: failures, the sucesstin solution of the frequently repeated attmpts of the British peos, wrer since Amerta has been diseovered, to find a new roule fo Asia! To what "xtront the thoughts of those present were thrned to the post must with that modmonstrative gromp remain a secret with math individual prisen. This muth may loe said : to nll, the stene was depply impressive, and espeeinlly to the many hundreds of workmen who, from an early hour up to the

[^13]last moment, had stmeryd to do their part, and who were now mute lookers on at the single individual abtive reggered-at one who in his own person mited the past wilh the present, the most prominent member of the atarient "ompany of "Adronturers of England," as he was the represemative of the groat C'madian Railway Company.

The blows on the spike were repated, until it was driven home The silemes howerer somtined unboken, and it mast be sad that many a more solemn reremony has bern witnessed with less solemotity. It serend as if the act now preformed had worked a efell on all present. Fach one appeared absorbod in his own reflections. The abstation of mind, or silant amotion, wr whaterer it might he, was howerer of short duation. suddany a ehare rpontanously burs forth, and it was no ordinary ehere. The subdud 'nthasiasm. Whe frot up forlings of men familiar with hard work, now found wont. Cher upon there followed as if it was difleult to satisly the spirit which had been aroused. Such a some is conerivabo on the fird of a hard fought battle at the moment when vietory is assured.

Nob unfrequently some mather of tact remark forms the tromination of the display of ereat motion. As the shonts snbsided. and the exchange of emgratulations were beine given a ruine was heard in the most prosale tone as of eonstant daily oreurrener, "All ahourd for the Pacific." The notice was quickly added uph; in a few minutes the train was in motion. It passed arer the nowly lad rail, amb and renowol chers sped on its way west warl.

On the same nirht a telowram wa- sont to Oltawa and published in the rastrom ('anadian new wapre. lt ram:-

The lirst through train from Montreal is apponding Yale, within a few hours of the laritheroast. The last spike wis dricen this morning ly llon. Donald A. Smith
 ing the coast, our rumning time from Montreal extlosive of sioppages will be five days, areraging twonty form miln per hour. Befor long, passanger trains may ron over the railway from Montral to Vanconver in four days and it will be quite possibla to travel "n spetal oreasions from liverpoel to the Jamilic coast by the Canadian transcontinental lime in ten days. All are ereatly phased with the work done. It is impossible filly to ratize that mormon: physide and wher dillicultias have beon orercome with such marrellons rapidity, and with results so satisfactory."

The tran arrived at lort Moody the follow erg morning, November 8th. On the sucoeding morning the prinejpal newspapers in England published the substance of the abose blecram, with the additional important fact that the first through train from Mourreal had actadly arrived at the eonst.

The party ambarked in an abmer to wose to Victoria. They tow hed near the month of burrard Inlot. the site of the city of Vanconver, then an unbroken forest. In a few honrs the vessed antered thestrat of duan de Faca; the name of the chamel recalled the memory of the (ireck adronturer of thre hundred years ago, and with it the panfal rewed of the more hon'st seamen. whose names will for ever be associated with the heroie yet fruitless efforts to discover : now route, in the nothern hemisphere, to hold in possession the commerre of C'athay

Il is dillisult to believe that today the efforts to obtain this result have been erowned with sucess. It is guite true that the passage for ships, sought for in vain by every
commander firm Gabot in the fifternth to fimklin in the ninotemth contury, has not been fomd; lant if it be not possible for a ship to pass from the Athaties to the Pacifie within the limits of the northern hemi-plure, the means are now provided for spedily tramsporting the eargoes of any umber of ships from one ocem to the other. The railway jomrney deseribed from a shipping port on the st, Lawrunce to Pariliu tide-water, testifes to the fact that the long desided communisation is at longth established ; and if lurther evidence be needed, it may be found in the riremmstane that a consignment of naval stores follows by the next frain from the dockard at Halifax for the ase of the Pacifie fleet at Eisquimant. It would inderd have astonished the illustrions navigators, Drakr, Cook and Vanconver, when in this part of the world, to have been told that the time wond come when ships on the Pacilie coast could have their stomes replemished from a naval station on the north Athantie within a lew days interval from the hour of making the regnisition.

The members of the party who had mald the transentinental journey remained in Vietoria a few days. They left on the return trip on November 12th, and reached Wimipen on the bith; alter a short delay, they continued the journey to Hontrall.

The narmatip of the passage of the first train from Montral to the Pacilie complates the record of the expeditions which the writer has endeavoured to descriter. It would have exceded the seope of the raçury to haveremed at any length to the travels of the pioneers who in the narly days of brench rule were the first to penetrate the unknown western wilderness. A long list of illustrions nomes in eonnection with these explorations and adventures will ever be associated with tha history of North America; but the bridest outine of their tracels would have carred the narmave far beyond the limits of this paper. The writer's object, wepecially in the seeond part of the paper, has bern to plaen side by side the several complete journeys whid have been made wertand bet wem the waters of the two ocems. He ventures to allirn that liw mone inportant remes are recorded in our history than the lirst and last of these joumeys, between which there is an interval of nearly a contury.

Un the roll of famons travellers there is no grander figure than the intrepid siotchman who was the first to cross the comment north of tha Galf of Mexico. Can there be a more litting subject for an historial painting for the National Gallery of the Dominion, than the incident of his mixing some remilion with melted grease, and inseribing on the faee of the rock on which he had slept his first sleep by the shores of the Pacifie, this briat memorial: "Alnxander Mackenzie, from Chanda by land, the twanty-seronel of July, one thonsand seven hundred and ninety-thres" ?

Efually appropriate for a painting to hang by its side, is the scene at Craigellachar on the moning of Nowmber the, 188, , when Sir Donald Smith, spike hammer in hand, is giving the last blow to finish the work of the railway. It marked the close of a long series of avents interwoven with the amats of the northern portion of the continent. Can we doubt that the future historim will regurd the ocurence, as a turning point in the history of the Dominion, as the berginning of a new page in the life and destiny of the British colonial empire?

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60^{\circ}
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Trans. R. S. C., 1889.


Map of North America, on Mercator's projection, to illustrate "

liy Ninhmotid Flemini.

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\text { linall M.ty : } 18-3 .
$$

I propose to direct attention to a minatiti- question within the domain of politios or rivil groverment which apmare to me to be of emenal interent. It presents a problem which up to the prenent time remains umsolved.
 assembly or coumil of the nation ha herm held immomerially moter varions maner. Before the Comgnest there designation were at varions times asigued to it : -

1. Myrel Synoth. or ereat syod.
2. Myeel Gemot, or treat comeil.
3. Witenagemot, or comeil of the wise men.

The mane of "Parliament" was not wiven th the Sational Comet in England mat alter the Conquest, when the frend lanmage was exclusively used by the dominant chass, mend French beeame the oflicial langenwe of the Enelish nation

Parliament has greatly whaged since its early days. It has grown ame heveloped from century to cemtury, and it may be sail to be still in a condition of erowth and development.

Whatever may have been the charater of the meetings of the wise men before the Conquest, or of the Parliaments whin followed, the central idea of Parliament at the present day, is an assembly of individuals representine the whole nation. The functions of Parliament are to act on behalf of the mation as the supme anthority, and-represpming the nation-it possesses dery power and every right and wery attribute which the nation possesses. The fundamental ideand guidine principh of lathanent is, that it embrames all the separate parts which compose the reabm, that in faet it is the nation in essence.

This is the theoretical and proper idea of Parliament, but it camot be affirmed that the idenl Parlament has ever yot been realizel. Faded it may be held that the moms taken to constitute Parliament cannot, in the nature of things, result in producing a national assembly in which erery individual dector may be fairly represented and his voice heard. As a matter of fact, under the existing system, it is not practicable to have in the elective honse every part of the nation represented: some parts must necessarily remain unrepresented.

Such being the case, the problem which sriener may be asked to solve, is simply this: to devise the means of forming an elective assembly which proutically as well as theoretically will be the nation in essence.

## 

What is commonly known as thr" " (iovernment " or the "Administration," and how



 of b'arlianurnt.

Nations ditior in liwir whial and pulitiesl viremmstances, but in all free countries, ut Imato it in erompally renornised that the elentive assembly is of the tirst importance. The theny of the dettre nasmbly, is that the whele peophe or such of the people as are duly qualition to von shall be equally reprosented. It eamot be said that hitherto this
 hat the ytheston is of so murh importane that it emmat be unworthy of grave considumation. May we but ask if it he persible to devise some means, by which the whole
 horative arombly or Parlianmou
 attontion of many political writers amd hav likewion loen investigated at length by many mblatated eremern, wh. hatw reothed their dissent from the practice followed.
 their fordion is oppasd by another part. It is quite true that the intention is to have the
 system: masencer it dose not follow that the majority of members returned will hold the siows and "phinims of the majority of the pophe on wny subject. It may happen and
 pared, wot in the reprasentative of a majority, hut in those who represent a minority. Sir John loubbolk exive an apt illastration of this reath. He supposes a country in which there are $1,201,000$ eloetors wha rote with party $A$, and $1,000,000$ who vote with party $b$ Anw if the two parlits are cembly distributed over the whole country, it is clear that, madne tha ordinary syatelu of representation, the weaker party will be ntterly swamped. To nsa a familiar illustation (he remarks) whenever you drop a bucket into
 pratially murpresented. But we mant cary the matter a little finther. In the House
 hy two to unt, i. י. Jy the rotus of members representing 800,000 rectors and ngabinst
 ham with them also the 1.000 , 100 in the comstry who were left murepresented ; so that in fint the mensure womld represent the wishes of only 800,000 electors, and wonld be opposed by those af $1,400,1010$. Thas has points out that the result of a system "of fiovermamt by maporitis, is, on the contrary, to enable a minority of 800,000 to overrulu a majority of $1.400 .10 \% \mathrm{~m}$, "

This illantrates only one of the many defocts in the present system, bat it is quite
 gool, has not henn realimd. It is ohvions trom the very nature of the system practised in "heting mombers, that, in wery Parliament, not the whole but only a part of the elentors are represented, and that the representatives of a minority may frequently werrule a majority of the people.

## 4 how

 hich J manent bary proval ries, nt Tho c duly to this imble, consiwhol a deliod the rth by lowed. , while are the xisting old the and ower is nority. ntry in with is clear utterly set into will be House carry it against would no thut ould be m " of o overs quite erently actised of the ueutlyTuke the prosent Parliament of our own Dominion, and in deing no wo have a case in which all will neknowledge tha the Administration it the present monent is suj.


 other 354,74 . That is tersy, 89 per comt, of the whole mperatits one party, and $: 3$ per real. the other party in larlament. A, the repmontatives of the : 7 per went, are swmped in latliament and are in no way rewnemion in the alministration of nlatirs, it follows that 39 per ent. of the metors throngh their reponantativer have complete



 its decisions by the members wherepreselu but twa per ent. of the whal body of actors. This is not an accidental but a rommon and, indow, a meensaty resold, of the present system, which must continue so bone th we follow the ardinary methenl of anding members to sit in l'arliament.

The question presented is this: la there any mans whaterer by whith a mational


Let as begin the inguiry by assming that the electorate consists of only two elnetors, that they are segual in all respects, in uhbility, in intugrity, in worldy menas, in public
 that each is equally willing to be represented the wne by the other.

Under such circumstances what coure wont be followed by the two foretth the question? Would not the matural method be to rast lots! Aswmine that the two electors were left to their own resources, remored trom all outside inllumers, would not this be the only rational means by which they could make a "hoiw?

There are doubtess som" minds who would hate an inmate linding aganst rearting to such a pratice; the casting of lots being more or lase assoriated with dice-phying, lotteries and games of chance, to which objections arw taken on grood and sulticient grounds; but in the case presented there remains no way of whang a devision except by lot. What other course conld ler followed! A :omben would not mend matters; a trial of physical strenget and emdurame wonld be at one futile and indefensible. If the object be to turn the two into a single representative mit, unanimity is nsemial, and while in agreeng in nothing elsin they could arrew in canting lots. Is the principle of settlement hy masting lots in itsilf objertionable ! Was it not considured wise and good in ancient times? And would it not be equally goon to-day ? it is certainly a timehonored usage for determining dithoult questions, and as axemplified in many passages in Holy Seripture ; inded the miform roice of serpiture groes to show that dmisions thus obtained are not only wholly mobjectionable in themselves, but that they were considered to have been overruled and dirented by spadial providemial interposition.

I shall wite but our example, the seleetion of an apostle to take the phace of Indas Iscariot. An aecount of this election by casting lots is given in the "Acts of tha Apostles," Chap. I, verses $15-20$. It is statel that about a hundred and twenty persons were called upon to select one of their number. They proceeded with deliberate wisdom to follow a
 lat whe shombl he the twelfh apostla. ame thas they math a selaction to which a



 foratre consists ciftwenty voters, what ronld be done in this cases If individual voters in








 is bet 1locrel.







 * (\%)



















greneral result that the representatives retarmal to sif in Farliament would enlbativaly

 the chection of a repres mation wonld be elloctel dhelbenately and whom ronlliet. It
 contribute towards a common res alt-a resald whing would be petehed on primiphes


These results are attanable only hy brimetare to bear, on matters of donbt or atti-





















 for:h, to solded olle of themelues.




 constituency in larliament






 the whole eledoral hody-would in lact romstitube an ussembly whels wonld chasely appoxituate © 's he ideal Parliament.






















































 allinis.




 speak the wien of the wathed nation












 on the question, some practical method of solving the problam, wil showly num surely two ovolied. Whatever the solution I humh , nimk that if must he based on promephew
 mater the present aystem











peaceably with all men." If the age of belligerency has passed away, is it not eminently fit and proper that we shonk seek for the removal of the last restiges of a belligerent age which still remain in our political system?



[^0]:    ' 'olumbus landed on an islaud named by the Indians Guanahani, October 12, 1492, belioved to be San Salvalor, one of the Bahamats. The first view he had of the manland wis at the month of the Orinoco in Sonth America on Angust 1, 1498. Ho died May 20, 1506.

[^1]:    ${ }^{1}$ In the Parliamentary Library, Ottawa, may be seen a map publishod in London in 1776 by Thomas Jeflrey, geographer to tho King, on which is engraved this note "In latitude $5: 3$ 'tis pretended that in 1740 Admiral do Fonte cutered ant sailed by lakes and rivors till he foumi a shij (as is supposed in ludson's bay) from Boston in New Englant."

[^2]:     ${ }^{\prime \prime}$ inmsall, and her two l, mothers, William, who lives in Hamilon, and Roxerick, at present in Nit. Andrews, linanty of stormont.

[^3]:     giving an acoont of Mr. 'Thompson' lravels. It is well worthy of publications. An cutine of some of the junrneys of Mr. Thompon was submifted to the Cimalian Institute, 'Ioronto, ty Mr. J. 13. Ty rell, Mareh 3, 1 sss.
     Indiana, and Miss Thompson, I vanhee, Ohio.

[^4]:    Sarrative of a voyago to the North-West Cuast of America in the year 1812-13-14, hy Gabriet Franchère.

[^5]:    
     athise referred to. Ite passed many years of his yonth in the Surthwest, and erossed the mombans twice with his father before he reabled the age of six. Mr. Mcheot has added many valuable notes describing the customs and habits of the royageurs; his information, regarding the geography of much of this still but partally known nugion, is equally importaut and interesting.

[^6]:    
    
    
    
    
    
    
    
    
    

[^7]:    'The child born un this orcasion is now the wife of "t well kinwn seller in British Colunitia.

[^8]:    
    
    

[^9]:     that Cutain Palliser, in his repurt to the lmperial (insernment, dedared the ntter impossibility of finding any
     result of four years labonr in tho fieht, of n man of eminence, nided by assistants of buma rultne, ability and energy, may, will proprioty, the quoted to show the formidable dithoblios to bo wermome in the Padic liahway
     calts for turenitiong labothr and thought."

[^10]:    

[^11]:    Sec. H, 188\%. 17.

[^12]:    ${ }^{1}$ Althongh political digressions in tho way come within the ohjects of this paper, the writer takes upon himself to refer the reader to Jr. Stewart's work on the administration of Lord Dufferin, in whish his speedhes on the eccavion of this visit to British Columbia are preserved. The time was one of great excitement, and Lord Dufferin's jolitical ability was never more apparent.

[^13]:    - The other direitora present wero Messrs. Vau Horme, Iharris and them writer.

